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THESIS

TOWARD DEVELOPMENT OF A NAVAL
ORAL HEALTH STATUS INDEX

by

Craig Alexander Jimerfield

Dennis M. Davidson

December 1985

Thesis Advisors: D. R. Whipple, Jr.
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After a review of all available literature concerning oral health indexes, it appeared that the oral health status index developed by Marcus et al., using the preference pairs methodology of Mickey and Britt to develop a model based upon the preferences of experts, provided the most promising alternative for an oral health index for use within the Navy's health care system.

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The major conclusion of this thesis is that no existing oral health index both satisfies the preferences of experts and is suitable for use by health care providers, managers, planners, and other decision makers.

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Toward Development of a Naval Oral Health Status Index

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After a review of all available literature concerning oral health indexes, it appeared that the oral health status index developed by Marcus et al., using the preference pairs methodology of Mickey and Britt to develop a model based upon the preferences of experts, provided the most promising alternative for an oral health index for use within the Navy's health care system.

Subsequent evaluation of the methodologies employed by Marcus et al., however, revealed a number of problems which questioned the validity of the oral health status index, particularly for use within the Navy. More specifically, these problems related to the patient population sampled and a number of questionable statistical procedures used in the development of the oral health status index.

The major conclusion of this thesis is that no existing oral health index both satisfies the preferences of experts and is suitable for use by health care providers, managers, planners, and other decision makers.

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I. INTRODUCTION

As the costs of health care continue to spiral ever upward, the public has begun to ask questions, and through its elected representatives, demand answers, about health care in the United States. This has been particularly true in the public sector, including the uniformed military services, where health care is financed through collection of taxes and creation of public debt.

The public is beginning to demand accountability for government's use of budgetary assets. The who, what, when, where, and how of publicly financed health care services is being questioned at virtually every level of government.

The answers to many of these questions have been legislated through our system of laws and regulations. [Ref. 1-2] Others come from currently accepted professional practices, current technology, and the availability of resources. Some seem to have no generally accepted answers, a fact that is a bothersome and multifaceted problem in itself.

First, because of the highly qualitative and multidimensional nature of health care, there has been little agreement on an operational definition of health. An acceptable definition of health would have to reflect social preferences toward various functional levels: social, mental, and physical; the relative importance of diseases and disabilities; the

likelihood of occurrence of different diseases and disabilities; and the prognosis associated with each disease and disability. [Ref. 3] Concurrence, even on these facets, has been difficult to achieve.

Second, because health is multidimensional, it cannot be actually measured, only inferred. Specific components of health, once identified, must be defined, measured to the extent possible, and relative weights, representing social and clinical values, assigned. These separate components of health may be considered as individual indicators of health and combined to form an index of general health status. Once an index of health status has been conceptualized, developed, and operationalized, it may be used to indicate relative levels of health in both individuals and populations; serve as a measure of the effectiveness of health care systems; and serve as a single component of individual measures of accountability, efficiency, effectiveness, productivity, quality, etc. [Ref. 4-6]

Neither of these two major issues are easily resolved, however, and a fair body of literature now exists discussing conceptual and methodological problems inherent in the development and use of health status indexes. Two major problems that seem to be pervasive throughout the literature are the tendency to conceptualize health in all encompassing definitions, making measurement difficult; and the tendency to try and develop mathematical formulas and models which

will capture all components of health, yet are so complex they are rendered unusable for most practitioners and managers. [Ref. 7-11]

These problems, however, have not deterred researchers, practitioners, and decision makers, particularly within the public health sector, from searching for such measures.

This thesis represents a further attempt to find and evaluate a health status index, primarily for oral health, for use within the naval health care arena, capable of meeting the needs of clinicians, administrators, and public decision makers alike.

The first step in this attempt to find a suitable oral health index was an examination of past research and clinical practices through a review of relevant literature. This review of pertinent literature provides the substance of the following chapter.

II. LITERATURE REVIEW

As can be seen from the bibliography, there is a wealth of literature available pertaining to health indexes. To provide some semblance of order in reviewing the literature, indexes directed primarily toward general health issues will be discussed first, followed by a survey of a wide range of indexes pertaining to oral health, a review of a number of more popular and widely accepted oral health indexes, and an examination of recent developments regarding oral health indexes.

A. GENERAL HEALTH INDEXES

General health indexes of a wide variety have been proposed to measure an individual's social and physical well-being [Ref. 12-13]; the overall health status of communities and general populations [Ref. 14-17]; implications and importance of various social and sociomedical factors in health care [Ref. 18-20]; unmet health care needs of individuals and populations [Ref. 21-22]; society's values and utilities of various conditions of life [Ref. 23-24]; quality of health care services and outcomes of health care interventions [Ref. 25-27]; priorities of health care programs in society and governmental agencies [Ref. 28]; effectiveness of health care programs in achieving desirable health care outcomes [Ref. 29-35]; utilization and resource allocation in

providing health care services and achieving desired health care outcomes [Ref. 36-37]; clinical, technological, social, political, and economic indicators for health care policy and research [Ref. 38]; clinical, technological, social, political, and economic indicators for health care planning [Ref. 39-41]; morbidity and mortality [Ref. 42]; patient's preferences in obtaining health care services and achieving health care outcomes [Ref. 43]; impact of sickness on individuals, groups, and populations [Ref. 44-47]; seriousness of illness and its consequences, clinical as well as social [Ref. 48-49]; disability and its consequences, for individuals as well as society [Ref. 50-52]; illness in the aged and its consequences, for individuals as well as society [Ref. 53]; and comprehensive health measures indicating specific health states [Ref. 54].

As can be seen above, a great deal of time and effort has been expended in attempts to develop a wide variety of general health status indexes. The vast majority of these indexes have been developed for special purposes, however, and are generally valid only under specific circumstances. None of them are universally accepted as general health status indexes, nor are they useful under the wide range of conditions and situations of interest to public health decision makers.

This situation is no less problematic within the dental health sector, the area of principal concern for this thesis.

B. GENERAL ORAL HEALTH INDEXES

As with indexes developed for evaluating general health states, a vast amount of literature is available regarding the development and utilization of indexes for a variety of conditions and situations relating to oral health.

There are general oral health indexes developed for a wide range of epidemiological studies to examine the prevalence and incidence of oral disease and the oral health status of communities and populations [Ref. 55-60]; social and socio-dental factors associated with oral health of individuals and populations, particularly as related to influences of cultural and ecological factors [Ref. 61-63]; unmet dental health needs of individuals and populations in a variety of social and economic situations [Ref. 64-73]; dental health status and general satisfaction with specific dental conditions [Ref. 74]; outcomes, appropriateness, and quality of oral health care services provided [Ref. 75-88]; efficiency and productivity of dental health services [Ref. 89-91]; anxiety related to dental health care [Ref. 92]; and the needs of special populations such as the elderly and the military [Ref. 93-110].

C. SPECIFIC ORAL HEALTH INDEXES

In addition to the general oral health indexes, there are a number of more specific oral health indexes that relate primarily to specific oral structures and tissues, clinical conditions, and diagnostic methodologies. There are indexes developed primarily for measurement of levels of oral hygiene

[Ref. 111-120]; the amount of soft accumulations, plaques, stains, and debris on dental structures [Ref. 121]; the amount of hard deposits and calculus on dental structures [Ref. 122-124]; the clinical condition, relative health, and pathologic states of the gingival structures [Ref. 125-135]; the number of carious lesions and decayed teeth [Ref. 136-153]; severity, incidence, prevalence, and consequences of periodontal disease [Ref. 154-199]; the degree of alveolar bone loss secondary to periodontal disease, as measured by periodontal pocket depth, radiographic analysis, and surgical determination [Ref. 200-205]; the assessment of tooth mobility secondary to periodontal disease and alveolar bone loss [Ref. 206]; the loss of teeth secondary to disease and injury [Ref. 207]; the identification and scoring of occlusal disorders [Ref. 208-210]; the identification of dental structures potentially requiring endodontic intervention [Ref. 211-212]; the identification of need, prioritization, and outcomes of orthodontic treatment [Ref. 213-214]; the use of radiographic methodologies in clinical diagnosis, prognosis, and follow-up of oral disease, injury, and treatment outcomes [Ref. 215-220]; and the use of complex mathematical, statistical, and computerized models to predict, evaluate, and monitor the need for clinical services, the outcome of dental intervention, and econometric measures of productivity [Ref. 221-230].

D. WIDELY KNOWN ORAL HEALTH INDEXES

A number of these indexes have been generally accepted, although often in only very restricted situations, and have been used in a wide variety of epidemiological studies:

1. The DMF Index

The DMF (Decayed, Missing, or Filled) index, developed by Klein, Palmer, and Knutson, while studying the dental needs of elementary school children in Hagerstown, Maryland, during the late 1930's, provided the first and perhaps best known and most widely accepted, of the oral health indexes. [Ref. 231-234]

The DMF index is based on ascertaining the number of teeth which are carious, missing, or restored (filled). The index has been reported in at least two different methodologies. First, the DMF index may be reported as the average number of DMF teeth per person examined. This is sometimes referred to as the DMFT (decayed, missing, or filled teeth) index. And, second, the DMF index may be reported as the average number of DMF tooth surfaces per person examined. This is sometimes referred to as the DMFS (decayed, missing, or filled surfaces) index. [Ref. 235]

2. The PMA Index

The PMA (Papillary gingivae, Marginal gingivae, and Attached gingivae) index, developed by Schour and Massler during the late 1940's, represented an attempt to provide a quantitative method of recording inflammatory changes in the gingivae. [Ref. 236-243]

The index is obtained by assessing the prevalence and severity of gingivitis and assigning numerical scores for each of three gingival areas for each tooth examined: the papillary gingivae, the marginal gingivae, and the attached gingivae. A score is established for each tooth and summed to provide a PMA index for an individual's mouth. Scores obtained for individuals may be summed and averaged to provide an epidemiological index for communities and populations. [Ref. 244]

3. Russell's Periodontal Index

The periodontal index developed by Russell during the 1950's represented the first major attempt to provide a measure of periodontal disease for epidemiological studies. [Ref. 245-248]

Each tooth examined is evaluated for clinical signs of periodontitis, particularly noting the usual progressive nature of the disease, inflammation of the gingivae followed by periodontal pocket formation and eventual loss of masticatory function. Each tooth is assigned a numerical score, the scores are summed for all teeth examined, and the total score is divided by the number of teeth examined. This average score represents the average conditions of the periodontal tissues and structures within a patient's mouth. [Ref. 249]

4. Ramfjord's Periodontal Index

The periodontal index, developed by Ramfjord during the late 1950's, represented another attempt to provide a

measure of periodontal disease for use in epidemiological studies. [Ref. 250-251]

The index is accomplished by conducting a thorough examination of the periodontal status of six teeth, particularly noting the condition of the gingivae, periodontal pocket depth, calculus and plaque deposits, attrition, mobility, and lack of contact. [Ref. 252]

5. Gingival-Bone Count

The gingival-bone count, developed by Dunning and Leach during the late 1950's, represented another attempt to provide a measure of periodontal disease for use in epidemiological studies. Of particular interest to the developers was the ability of an index to reflect both reversible signs of periodontal disease, primarily gingival changes, and irreversible sequelae of periodontal disease, primarily alveolar bone loss. [Ref. 253]

The gingival-bone count is obtained by assessing the gingival status and bone loss of each tooth examined, a numerical score assigned for each tooth by combining the individual gingival scores and bone scores, and an average computed for the whole mouth. [Ref. 254]

6. Oral Hygiene Index (OHI)

The oral hygiene index, developed by Green and Vermillion during the late 1950's, and subsequently modified to provide the simplified oral hygiene index (OHI-S), represented a further attempt to provide a measure of periodontal

disease for use in a wide range of epidemiological studies. [Ref. 255-257]

The oral hygiene index is actually a combination of two separate indexes, the debris index and the calculus index. The debris index is obtained by evaluating the amount of debris on each of six preselected tooth surfaces and assigning a numerical score for each tooth. The individual tooth scores are summed and the total divided by the number of teeth examined. The calculus index is obtained similarly, evaluating each of the teeth for the presence of calculus. The oral hygiene index is then obtained by summing the debris index and the calculus index. [Ref. 258]

7. Gingival Index, Plaque Index, and Retention Index System

The gingival index, plaque index, and the retention index, developed by Loe and Silness in the early 1960's, represented another approach to the evaluation of periodontal disease epidemiology. [Refs. 259-260]

The three indexes actually comprise a system for evaluating the clinical consequences of periodontal disease. [Ref. 261]

The gingival index is entirely confined to the qualitative changes in the soft tissues of the gingivae. Each of four gingival areas of each tooth examined is assigned a numerical score, based upon clinical changes in the tissue, indicative of the degree of gingivitis present. The scores for the four areas are summed and divided by four

to obtain a gingival index for each tooth. The scores for each tooth are then summed and the total divided by the number of teeth examined to obtain a gingival index for the individual. [Ref. 261: pp. 610-613]

The plaque index is confined to an evaluation of the amount of soft debris (plaque) which has accumulated on each of the four gingival areas previously evaluated for the gingival index. Each of the four gingival areas of each tooth examined is assigned a numerical score, based upon the amount of soft debris present. The plaque index is then calculated similarly to the gingival index. [Ref. 261: pp. 613-614]

The retention index is based upon an evaluation of the degree of rough surfaces, such as caries, calculus, and imperfect restorations, available for accumulation (retention) of bacteria, which promote gingival disease, on each tooth previously evaluated for the gingival and plaque indexes. A numerical score is established for each tooth and the final retention index is calculated similarly to the gingival and plaque indexes. [Ref. 261: p. 614]

8. Calculus Surface Index

The calculus surface index, developed by Ennerver, Sturzenberger, and Radike during the late 1950's, was an attempt to provide a scoring system for quantitating the accumulation of dental calculus in short-term testing programs. [Ref. 262]

Each of the mandibular incisors is considered on the basis of four surfaces, two proximals, one labial and one lingual. Upon examination, the number of tooth surfaces on which calculus had occurred is noted, and a numerical score, zero to four indicating the number of tooth surfaces involved, assigned. The totals for each tooth are summed. The calculus surface index is then the total number of tooth surfaces on which calculus had been detected. [Ref. 262: p. 54]

9. Navy Periodontal Screening Examination

The Navy periodontal screening examination was implemented in 1968 to increase dentists' awareness of periodontal pathology, emphasize the importance of early diagnosis and treatment, and provide a tool for assessing patients' abilities and motivation for practicing health maintenance activities. [Refs. 263-268]

The Navy periodontal screening examination is comprised of two separate indexes: the Navy periodontal disease index and the Navy plaque index. Both indexes are conducted on six teeth, the same teeth as used in Ramfjord's periodontal index. [Ref. 263: p. 41]

The Navy periodontal disease index (NPDI) is comprised of two separate parts as well: a gingival score which assesses gingival inflammation, as manifest by color, consistency, density, enlargement, and bleeding tendencies, and a periodontal pocket score which assesses alveolar bone destruction as

determined by periodontal pocket depth. Combining these two scores provides the NPDI score for the individual tooth. The results are recorded in the patient's clinical record as the NPDI score (the highest score obtained for any individual tooth) and the NPDI total for the six teeth examined. [Ref. 264: p. 63]

The Navy plaque index (NPI) reflects the plaque control status of the individual, emphasizing bacterial plaque present on the cervical area of the tooth, in contact with the gingival margins, felt to be of greatest concern in periodontal disease. The results are recorded in the patient's clinical record as the NPI score (the highest score obtained for any individual tooth) and the NPI total for the six teeth examined. [Ref. 264: p. 63]

E. RECENT ADVANCES

These oral health indexes have been evaluated extensively in the literature. [Refs. 269-282] Many of the indexes, particularly those specific oral health indexes discussed above, have shown acceptance in specific and limited uses, generally those for which the indexes were initially developed. As with the general health status indexes, however, there has been no universal acceptance of the use or value of the oral health indexes, particularly within the wide range of contexts of interest to clinicians, researchers, and decision makers.

A major step in the search for a comprehensive oral health status measure was accomplished by Nikias, Sollecito, and Fink in the late 1970's. [Refs. 283-284]

In evaluating the many oral health status indexes in use, they noted that none of the measures, when employed separately, produced a reasonably accurate picture of total oral health. The need for one comprehensive index, capable of depicting all potentially significant disease processes, their interactions, and their consequences, was clearly stressed. They noted that, in addition to being able to summarize diverse clinical elements into one index, a comprehensive oral health index should provide a meaningful concept of oral health status, expressed numerically, which would provide a statistical tool for use by clinicians, researchers, and decision makers alike, in a diverse range of situations. [Ref. 283: p. 148]

Using data gathered from the examination of 1,290 adult members of the Health Insurance Plan of Greater New York (HIP) (a prepaid medical group practice), Nikias and her coworkers developed composite profiles of oral health status composed of specific clinical oral conditions. Eight clinical oral conditions were initially analyzed for inclusion in a comprehensive profile of oral health status: (1) edentulousness (in both arches, or in one arch); (2) number of missing and unreplaced teeth; (3) levels of disease in gingival and periodontal tissues; (4) percent of decayed teeth; (5) oral

hygiene status; (6) number of healthy and untreated teeth; (7) number of filled teeth; and (8) number of replaced teeth. [Ref. 283: p. 150] These were subsequently reduced to four dimensions, with four levels of clinical severity in each: (1) missing teeth; (2) disease in gingival and periodontal tissues; (3) decayed teeth; and (4) oral hygiene status. [Ref. 283: p. 152]

The principal finding of this initial work was that it appeared feasible to combine multiple oral diseases and conditions to provide a comprehensive measure of oral health status. It was felt that this comprehensive measure, once developed, would facilitate epidemiological comparisons or oral health status among populations, assessment of changes in oral health status over time, evaluation and planning of oral health programs, and meeting oral health needs of populations of interest. [Ref. 283: p. 158]

After accomplishing the construction of comprehensive profiles of oral health status, Nikias and her coworkers took the next major step, that of attempting to combine the comprehensive profiles into one composite oral health index. The problem of just how to rank these comprehensive profiles in regard to relative oral health states was now addressed. The question to be answered, in considering only two patients for example, was that of, "which patient was in a better state of oral health, one which was missing several teeth but has no gingival or periodontal disease, or one who has all

teeth present but has significant gingival and periodontal disease?" Although a number of scaling procedures could have been used, they decided upon attempting to use the judgments of dental health professionals, combined with a modified version of the equal appearing intervals method of scaling, to provide relative rankings and subsequent development of a composite oral health index. [Ref. 284: p. 17]

Twenty-nine dentists, representing four broad categories of practitioners, were selected for participation in the final ranking. Six of the dentists were from private practices, nine were from research-oriented situations, nine were from public health practice, and five of the dentists combined private practices with part-time teaching or research positions. [Ref. 284: p. 17]

Forty-two profiles, each composed of four clinical conditions: (1) number of missing and unreplaced teeth (divided into four levels of severity); (2) periodontal disease (divided into four levels of severity); (3) decayed teeth (divided into two levels of severity); and (4) oral hygiene (divided into two levels of severity). Each of the twenty-nine dentists was sent a package containing study background information, a set of forty-two randomly ordered computer punch cards (each card contained a punched and printed description of an oral health status profile), and detailed instructions on how to rank the profiles from best to worst

using an integer scale from one to nine. The ranking by oral health status was accomplished by sorting the forty-two computer punch cards into nine piles, representing the nine levels of oral health indicated by the integer scale of one to nine. These piles were then subsequently ranked to provide a relative ranking within each of the nine initial profiles. In the end, the forty-two computer punch cards, representing the forty-two clinical oral health profiles, would be ordered into a ranking such that each successive card or case would be in poorer oral health than the card or case preceding it. [Ref. 284: p. 17] The results of the individual dentist's rankings were then averaged and the means used to provide a "summary statistic" or "oral health index". [Ref. 284: pp. 17-18]

In their conclusion, Nikias and her coworkers noted four major findings from their studies: (1) Developing a comprehensive oral health index based upon professional concensus appears feasible. (2) Dentist's vary considerably in their assessment of clinical oral health states. This variation cannot simply be explained by professional orientations and activities, but seems to be subjective and varies according to the individual. In fact, detailed analysis of the actual rankings of the oral health profiles revealed that there was as much or more variation within each professional group as between groups. The greatest variability is in oral health states that have a combination of contrasting levels of oral

disease and conditions. (3) Of the four conditions that made up the forty-two oral health profiles, number of missing and unreplaced teeth and levels of periodontal disease were found to be most highly correlated with the final ranking and oral health index. (4) Based upon work accomplished to present, it seems difficult to devise an all-purpose oral health index. [Ref. 284: pp. 21-25]

The work of Nikias and her coworkers provided an impetus for new directions in research and development of oral health indexes. These new directions, largely represented by the subsequent work of Marcus and his coworkers [Refs. 285-293], related to the use of specific statistical methodologies, principally the preference pairs methodology of Mickey and Britt [Ref. 295], to derive oral health status indexes reflective of opinions and preferences of expert dental health professionals. It is this work which is examined in the following chapter.

III. ORAL HEALTH STATUS INDEX

A major shift in the search for a comprehensive oral health status index occurred during the late 1970's. After conducting an exhaustive search for a comprehensive oral health index which would satisfy the requirements of clinicians, researchers, decision makers, and other interested parties alike, Marcus and his coworkers felt that no such measure currently existed. Consequently, they embarked on a research program of several years duration in an attempt to develop such a comprehensive measure. [Refs. 285-293]

The stated aims of this research were threefold.

First, to develop comprehensive, integrated oral health status measures for both adult and pediatric populations, primarily for monitoring both groups to evaluate the outcome of oral health care services. [Ref. 285: p. 3]

Second, to develop measures of oral health status characterizing populations rather than individuals; empirically derive significant factors in the concept of oral health based upon opinions of experts (dentists); incorporate both positive factors associated with oral health and negative factors associated with oral pathology; establish quantifiable measures of oral health which permit statistical analysis of populations; ensure that any index developed is sensitive to changes in oral health status;

and ensure that any index developed will hold practical relevance for a wide range of potential users of the index, particularly dental practitioners, health care administrators, and the public. [Ref. 285: p. 3]

Third, to utilize a methodology which will ensure the reliability and validity of the measures used to develop the index. [Ref. 285: pp. 3-4]

Marcus and his coworkers developed a set of 232 clinical cases for use in their research. Each case consisted of a brief patient description, including a brief medical and dental history; color slides of facial profiles and intraoral appearances; a set of radiographs, including periapicals, bitewings, and a panorex; a set of complete plaster mouth study casts; and a completed dental chart. [Ref. 287: p. 335]

A panel of twelve general dentists was selected to provide the expert opinions needed during the experimentation and development phase of the research program. The consultants for the panel were selected upon the following four criteria: (1) a minimum of five years of clinical experience; (2) past or current experience in quality assessment and quality assurance activities; (3) representation from various geographic and demographic regions of the United States; and (4) clinical practice experience limited to general dentistry only. [Ref. 285: p. 30]

The methodology selected for the statistical "scaling" was the paired preference procedure described by Mickey and

Britt [Ref. 295] and available in the BMDP statistical package. [Refs. 296-297]

The experiment was conducted by presenting the 232 clinical cases, combined in 315 pairs of cases, to each of the twelve consultants. Each of the consultants selected which case of each pair of cases they considered to be in better oral health. Additionally, they were permitted to indicate significant differences in oral health, if they existed. The results of this experiment provided the judgments needed for the statistical computation portion of the paired preference methodology. [Ref. 291: p. 286]

Marcus and his coworkers initially used twenty-four variables, which were later reduced to eighteen variables, in the paired preference program. These included variables for certain health factors (diabetes, cardiovascular disorders, and rheumatic fever); temporomandibular joint (TMJ) dysfunctions (sounds, dislocation, function loss, and pain); occlusion/crossbite; tipped/extruded teeth; tooth abrasion; fractured teeth; unerupted teeth; missing teeth; decayed teeth; filled teeth; restorations; endodontics, benign tumors (oral neoplasms such as fibromas, osteomas, tori, odontogenic cysts, and odontomas); replacements; calculus, mild periodontal disease (mild bone loss, periodontal pocket depth, and tooth mobility); moderate periodontal disease (moderate bone loss, periodontal pocket depth, and tooth mobility); and severe periodontal disease (marked bone loss, pocket depth, and tooth mobility). [Ref. 285: p. 27]

To determine the most advantageous combination of variables and "subvariables", Marcus and his coworkers performed "nearly 100" regressions on six of the oral health variables deemed most significant after examination of initial results of the BMDP paired preference program: (1) mild periodontal disease; (2) moderate periodontal disease; (3) severe periodontal disease; (4) missing teeth; (5) decayed teeth; and (6) tumors. [Ref. 285: p. 73]

Based upon the results of this initial attempt at index construction, the eight most promising variables obtained from the paired preference program were regressed against the judges' mean scores (from the initial BMDP paired preference programs using eighteen variables) in eleven different combinations of the variables, ranging from use of only four variables to use of all eight. The eight variables used during this stage were: (1) mild periodontal disease; (2) moderate periodontal disease; (3) severe periodontal disease; (4) missing teeth; (5) decayed teeth; (6) tumors; (7) occlusion; and (8) replaced teeth. Upon examination of the results of these regressions, Marcus and his coworkers reached a "strong concensus" on a model using five of the variables: (1) moderate periodontal disease; (2) severe periodontal disease; (3) missing teeth; (4) decayed teeth; and (5) replaced teeth. [Ref. 285: p. 78]

Marcus and his coworkers felt that the five variables chosen above were "not amenable to measurement on a large

scale", and required modification. This was particularly true of the periodontal disease variables, which had included measures of bone loss, periodontal pockets, and tooth mobility, and the missing teeth variable, which had included double counts of free ends, cuspids, and first molars. Further analysis revealed that adding the number of free ends to the total number of missing teeth (excluding third molars) and using only severe and pulpal decay (excluding mild decay), seemed to provide a better fit (higher R-squared values) to the mean case scores (derived from the initial BMDP paired preference program using eighteen variables). Additionally, a decision was made to use only the periodontal pocket depth as the measure of periodontal disease. Thus, the final five variables selected for the direct adult oral health index included: (1) moderate periodontal disease (moderate periodontal pocket depth); (2) severe periodontal disease (marked periodontal pocket depth); (3) missing teeth and free ends; (4) decayed teeth (severe and pulpal decay); and (5) replaced teeth. [Ref. 285: pp. 78-79]

The scores were subsequently scaled so that the maximum score (best case of oral health) would be 100 and the minimum score (edentulous case) would be zero. [Ref. 291: p. 288]

The final beta coefficients (weights) for the five variables for the index were as follows: (1) missing teeth and free ends: -3.31; (2) replaced teeth: +0.61; (3) decayed teeth: -1.79; (4) periodontal pocket depth (4-6 mm): -0.73; and (5) periodontal pocket depth (6+ mm): -3.02. [Ref. 292: p. 1]

To use the oral health status index, the patient is examined and the results are entered on the direct oral health status index adult examination form in Figure 1. Each tooth is marked as to whether it is missing (M), replaced (R), decayed (D), normal (N), or a space closure (C); the periodontal pockets are indicated at 4-6 mm and 6+ mm. The totals for each of the categories (missing, replaced, decayed, 4-6 mm pockets, and 6+ mm pockets) are placed in the # (total number) blank, multiplied by the appropriate beta coefficient (weight), the resulting products subtracted from 100, and the result placed in the blank for the final index. [Ref. 292: p. 732]

The direct oral health status index, once ascertained, provides a measure of the overall oral health status of the individual examined, and when combined with other representatives of a population of interest, provides an epidemiological index useful in a wide range of health care activities, particularly administration, planning, quality assessment, and research.

The oral health status index developed by Marcus and his coworkers, of all the oral health indexes reviewed in the literature, appeared to provide the greatest potential for an oral health index within the health care system of the military services. As such, it provided the focal point for the majority of this current thesis effort contained within the following chapters.

DIRECT ORAL HEALTH STATUS INDEX
ADULT EXAMINATION FORM

PATIENT I.D.: _____ **DATE:** _____

BIRTH DATE: _____ **EXAMINER:** _____

		Tooth #	Teeth	Bone Loss 4-6mm	Bone Loss 6+mm
UPPER ARCH	POSTERIOR	1	M R D N C		
		2	R D N C		
		3	R D N C		
		4	M R D N C		
		5	M R D N C		
	ANTERIOR	6	M R D N C		
		7	M R D N C		
		8	M R D N C		
		9	M R D N C		
		10	M R D N C		
		11	M R D N C		
	POSTERIOR	12	M R D N C		
		13	M R D N C		
		14	R D N C		
		15	R D N C		
		16	M R D N C		
LOWER ARCH	POSTERIOR	17	M R D N C		
		18	R D N C		
		19	R D N C		
		20	M R D N C		
		21	M R D N C		
	ANTERIOR	22	M R D N C		
		23	M R D N C		
		24	M R D N C		
		25	M R D N C		
		26	M R D N C		
		27	M R D N C		
	POSTERIOR	28	M R D N C		
		29	M R D N C		
		30	R D N C		
		31	R D N C		
		32	M R D N C		

LEGEND:
M = missing
R = replaced
D = decayed
N = normal
C = space closure
FE = free end

TALLY

	#	Coeff	Subtotal
MAXIMUM			100.00
Missing		-3.13	
Free Ends		-3.13	
Replaced		+0.61	
Decayed		-1.79	
4-6 mm		-0.73	
6+ mm		-3.02	
INDEX			

Source: Marcus, Marvin; Gershen, Jay A.; Koch, Alma L.; and Snyder, Vera E. Oral Health Status Index User's Guide. Los Angeles: University of California, 1980.

Figure 1. Direct oral health status index adult examination form.

IV. ORAL HEALTH STATUS INDEX EVALUATION

A. BACKGROUND

After a thorough review of the literature available on oral health indexes (see bibliography), the adult direct oral health status index developed by Marcus and his coworkers [Refs. 285-294] seemed to possess the greatest potential for the military health care system as an oral health status index. A number of questions concerning both its development and use were raised, however, and provided the impetus for this thesis.

There were two primary objectives for this thesis: First, to verify the validity of the oral health status index through examination of its development and construction. And second, to subsequently utilize methodologies and procedures similar to those used by Marcus and his coworkers, particularly those employed by Koch in her doctoral dissertation [Ref. 289], and apply them to military dentists and health care beneficiaries to verify the oral health status index's validity for the population served by the health benefit programs of the uniformed services, in particular the Navy.

As will be noted as the thesis progresses, significant problems were encountered during evaluation of the oral health status index. These problems made accomplishing the second thesis objective impractical. Consequently, the remainder

of this thesis is largely devoted to verifying the validity of the index's development and construction.

B. THE FIRST STEPS

The researchers were able to spend several days at the University of California at Los Angeles (UCLA) dental school with Dr. Marvin Marcus, the driving force behind the oral health status index. During this time, Dr. Marcus provided a great deal of personal insight into the development, construction, and use of the oral health status index, as well as a wealth of information and data from his and his coworkers' initial work on the index.

Dr. Marcus provided copies of all publications and articles produced during, and subsequent to, development of the oral health status index. More important, however, he provided computer printouts containing the initial, untransformed data (not otherwise available) derived from the original 237 (only 232 were actually used by Dr. Marcus and his coworkers) clinical dental cases used in development of the oral health status index.

Perhaps even more important, Dr. Marcus provided quintessential insight into the processes involved in development of the oral health status index, his own concerns about using the index as planned by these researchers, and his own ideas for future directions and research for oral health status indexes.

Based upon the available data and literature, as well as Dr. Marcus's insightful guidance, an initial plan was developed

to accomplish the two principal objectives of this thesis research, noted above.

Due to time and logistical constraints, a decision was made to use only 66 of the initial 237 clinical cases in subsequent research within the naval health care community. These cases had been used in follow-on research by Marcus and Schoen in ascertaining the relationship between oral health status and dentists' preferences for treatment palnning [Ref. 298], and were considered representative of the initial 232 clinical cases used in development of the oral health status index. Using the 66 selected clinical cases and the original, untransformed data used in development of the oral health status index, the results of further research within the naval health care environment could be compared, and the validity across populations evaluated.

The 66 clinical cases provided by Dr. Marcus (see Appendix A) included a brief patient description, including medical and dental histories; color slides of facial profiles and intraoral appearances; a set of radiographs, including periapicals, bitewings, and a panorex; a set of complete plaster mouth study casts; and a completed dental chart.

The variables of interest for all 66 clinical cases had been previously extracted by Dr. Marcus and his coworkers and were embedded within the computer printouts containing the original, untransformed data. This data was extracted from the computer printouts and written onto case abstraction

forms, Figure 2, for each of the 66 cases. This data, with the following exception, was then entered into a working computer file for further analysis. The variables for the demographic and health variables were converted from the system used by Dr. Marcus and his co-workers to systems of "dummy" variables. Thus in the case of the race variable, rather than entering a 1 if American Indian, a 2 if Black, a 3 if Oriental, etc., dummy variables (1 or 0) were used to indicate that an individual belongs (1) to that specific racial category, or does not (0). Because the data within these variables were primarily qualitative rather than quantitative in nature, this methodology was considered more useful statistically. [Ref. 299: p. 111]

The initial data set for each of the 66 cases (see Appendix B), derived from the original, untransformed data provided by Dr. Marcus, yielded 208 variables, as indicated in Figure 3. As can be seen, these included age; sex; race; history of diabetes, cardiovascular disease, or rheumatic fever; temporomandibular joint disease as manifest by sounds, dislocation, loss of function, or pain; occlusion, class I, II, or III; crossbite, anterior or posterior; gingivitis, acute or chronic; severely extruded teeth; severely abrated teeth; fractured teeth, mild, severe, or periapical; unerupted teeth; missing teeth, total, cuspids, first molars, free ends, or third molars; tipped teeth; virgin decay, mild, severe, or pulpal; recurrent decay, mild, severe, or pulpal; filled teeth,

CASE ABSTRACTION FORM

Case No._____ Age_____ Sex: Male_____ Female_____

Race: American Indian (1)_____ Health: Diabetes _____
Black (2)_____ Cardiovascular _____
Oriental (3)_____ Rheumatic Fever_____
Spanish (4)_____
White (5)_____
Other Specify) (6)_____ (_____)

TMJ	Occlusion	Crossbite	Gingivitis
Sounds _____	Class I _____	Anterior _____	Acute ____
Dislocation _____	Class II _____	Posterior_____	Chronic____
Function Loss_____	Class III_____		
Pain _____			

		Upper		Lower		
		Ant.	Post.	Ant.	Post.	Total
Extruded	Severe					
Abrasion	Severe					
Fracture	Mild					
	Severe					
	Periapical					
Unerupted						
Missing	Total*					
	Cuspid/1st Molar					
	Free Ends					
	3rd Molar					
Tipped Teeth						
Virgin	Mild					
Decay	Severe					
	Pulpal					
Recurrent	Mild					
Decay	Severe					
	Pulpal					
Fillings	Serviceable					
(Direct)	Defective					
Restorations	Serviceable					
(Cast)	Defective					
Endodontics	Serviceable					
	Defective					
Tumors						
Replaced	Fixed Pontics					
	Removable					
Calculus						
Bone Loss	Mild (<1/3)					
	Moderate 1/3-1/2					
	Severe (>1/2)					
Pockets	to 3.9 mm					
	- to 5.9 mm					
	- to 5.9 mm					
	mm					
Mobility	Class I					
	Class II					
	Class III					

*Total does not include wisdom teeth.

Source: Marc , Marvin; Gershen, Jay A.; and Koch, Alma L. Development of Oral Health Status Measures for Quality Assurance. Final Report. Chicago: American Fund for Dental Health and the W.K. Kellogg Foundation, May 1980, p. 20.

Figure 2. Clinical case abstraction form.

CASE ABSTRACTION FORM

Case No. 1 Age 2 Sex:3 Male Female

Race:			Health:		
	American Indian	(1) 4		Diabetes	10
	Black	(2) 5		Cardiovascular	11
	Oriental	(3) 6		Rheumatic Fever	12
	Spanish	(4) 7			
	White	(5) 8			
	Other (Specify)	(6) 9	( )		

TMJ		Occlusion		Crossbite		Gingivitis	
Sounds	13	Class I	17	Anterior	20	Acute	22
Dislocation	14	Class II	18	Posterior	21	Chronic	23
Function Loss	15	Class III	19				
Pain	16						

		Upper		Lower		
		Ant.	Post.	Ant.	Post.	Total
Extruded	Severe	24	25	26	27	28
Aorasion	Severe	29	30	31	32	33
Fracture	Mild	34	35	36	37	38
	Severe	39	40	41	42	43
	Periapical	44	45	46	47	48
Unerupted		49	50	51	52	53
Missing	Total*	54	55	56	57	58
	Cuspid/Is ir	59	60	61	62	63
	Free End	64	65	66	67	68
	3rd Molar	69	70	71	72	73
Tipped Teeth		74	75	76	77	78
Virgin Decay	Mild	79	80	81	82	83
	Severe	84	85	86	87	88
	Pulpal	89	90	91	92	93
Recurrent Decay	Mild	94	95	96	97	98
	Severe	99	100	101	102	103
	Pulpal	104	105	106	107	108
Fillings (Direct)	Serviceable	109	110	111	112	113
	Defective	114	115	116	117	118
Restorations (Cast)	Serviceable	119	120	121	122	123
	Defective	124	125	126	127	128
Endodontics	Serviceable	129	130	131	132	133
	Defective	134	135	136	137	138
Tumors		139	140	141	142	143
Replaced	Fixed Pontics	144	145	146	147	148
	Removable	149	150	151	152	153
Calculus		154	155	156	157	158
Bone Loss	Mild (1/3)	159	160	161	162	163
	Moderate (1/3-1/2)	164	165	166	167	168
	Severe (>1/2)	169	170	171	172	173
Pockets	0 to 1.9 mm	174	175	176	177	178
	2 to 3.9 mm	179	180	181	182	183
	4 to 5.9 mm	184	185	186	187	188
	6+ mm	189	190	191	192	193
Mobility	Class I	194	195	196	197	198
	Class II	199	200	201	202	203
	Class III	204	205	206	207	208

*Total does not include wisdom teeth.

Figure 3. Original 208 clinical variables.

serviceable or defective; restorations, serviceable or defective; tumors; replaced teeth, fixed pontics or removable; calculus; bone loss, mild, moderate, or severe; periodontal pockets, 0-1.9 mm, 2-3.9 mm, 4-5.9 mm, or 6+ mm; and mobility, class I, II, or III. Additionally the latter of these, from extruded teeth through mobility, are also characterized by position of occurrence within the mouth, maxillary (upper) or mandibular (lower) and anterior (front) or posterior (back), as well as totals.

It is these 66 cases, with their 208 variables, that provide the starting point for further analysis and investigation, primarily through the BMDP preference pairs program. [Refs. 296-297]

C. THE PAIRED PREFERENCE PROGRAM

The paired preference program, developed by Mickey and Britt in the early 1970's [Ref. 295], provides a methodology for deriving numerical scores for each of the clinical cases, based upon the judgments (preferences) of experts, in this case, dentists. This methodology is available through the BMDP statistical software packages developed by the University of California. [Refs. 300-301]

The BMDP preference pairs program constructs a numerical score for each case that is a linear combination of the variables used in the analysis:

$$\text{Case Score} = b_1 X_1 + b_2 X_2 + b_3 X_3 + \ldots + b_n X_n,$$

where the Beta-coefficients are derived from the judgments (preferences) of experts, in this case dentists. [Ref. 296: p. 547]

The dentists compare two clinical cases at a time, evaluating whatever data and information is of value in that professional's particular methodology of clinical assessment, and selects the case felt to be in better oral health.

The input to the BMDP preference pairs program consists of a preference matrix and a data matrix. The preference matrix is composed of the paired cases and the preferences of the dentists (see Appendix L). The preference of each of the dentists is indicated as follows: If the first case of the pair is preferred over the second, the preference is noted as a "1", if the second case of the pair is preferred over the first, the preference is noted as a "-1". When no preference is indicated, a zero is recorded (an option Marcus and his coworkers did not permit)[Ref. 285: p. 13]. The strength of the preference may also be indicated. For example, if the first case is preferred twice as much as the second, a "2" would be recorded; if the second case is preferred three times as much as the first, a "3" would be recorded. The data matrix is composed of the variables in the data base of each case. [Ref. 296: p. 547]

For each pair of cases, $Y_i = (X_{i1}, X_{i2}, X_{i3} \ldots, X_{in})$ and $Y_j = (X_{j1}, X_{j2}, X_{j3}, \ldots, X_{jn})$, a judgement vector (the dentist's preference), $Z = (X_{i1} - X_{j1}, X_{i2} - X_{j2}, X_{i3} - X_{j3}, \ldots, X_{in} - X_{jn})$ is computed. A cross-product matrix is

subsequently formed, stepwise multiple regression is accomplished, an algorithm (model) is developed for each dentist, and scores are calculated for each clinical case. [Ref. 296: p. 548]

The Beta-coefficients determined for each of the variables (Xs) provides the weights (clinical importance) of the dentist's judgments (clinical assessments of oral health) for those variables within the data base. [Ref. 296: p. 547]

D. A FIRST LOOK

The original, untransformed data base (see Appendix B), containing 66 clinical cases with their respective 208 variables, was processed through the BMDP preference pairs program [Ref. 296: pp. 547-553]. The results of this analysis are provided in Appendix C. As can be seen from the data, the preference pairs program develops a separate model (algorithm) for each dentist. Additionally, the program was formatted so that a model was developed for the "average" dentist for subsequent use in constructing an oral health status index.

The data in Table 1 is abstracted from Appendix C and provides the final step from the stepwise multiple regression portion of the BMDP preference pairs program for each of the twelve dentists and the "average" dentist. As can be noted, no two dentists have exactly the same model.

The number of variables ranges from 21, for the second dentist, to 23 for the "average" dentist, with 22 variables for all others. The variables involved differ from dentist's

TABLE 1

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 208 VARIABLES.

JUDGE 1 STEP NUMBER 22			JUDGE 2 STEP NUMBER 21			JUDGE 3 STEP NUMBER 22			JUDGE 4 STEP NUMBER 22		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
5	-0.62496	0.063	3	0.15047	0.299	3	0.88652	62.669	11	**0.97544**	**0.199**
27	-0.03879	0.002	13	0.04056	0.035	15	1.50130	422.947	50	**0.77901**	**0.044**
34	-1.10298	0.130	19	0.12799	0.027	43	-0.00127	0.042	55	**-0.31849**	**0.050**
52	-0.54616	0.326	21	-1.05619	0.842	87	0.41414	31.416	57	**-0.47633**	**0.085**
55	-0.26446	0.041	37	-1.97249	0.710	112	0.15508	54.905	58	0.01756	**0.003**
59	0.00986	0.006	39	-0.96763	0.826	118	-0.00101	0.184	68	0.06365	**0.006**
63	-0.00121	0.000	52	0.26928	0.129	123	0.16059	60.943	89	-0.37018	**0.159**
67	-1.00361	0.334	75	-0.05618	0.046	124	-0.02886	1.958	91	0.45011	**0.024**
72	-0.00421	0.002	87	0.81382	0.260	126	-0.46146	15.278	96	0.13090	**0.075**
85	-0.52187	0.382	91	-0.32110	0.310	128	-0.12068	6.609	97	-0.10483	0.140
87	0.25948	0.055	96	-1.12043	0.469	130	-0.71465	166.277	108	1.32056	0.121
102	-0.08103	0.005	116	0.02799	0.001	140	1.23706	8.836	119	0.00569	**0.001**
110	0.18203	0.409	117	0.19440	0.051	147	-0.07750	9.630	124	-1.67690	**0.191**
126	0.21728	0.050	121	-0.13092	0.035	148	-0.02439	2.301	125	0.00772	0.000
132	-0.13684	0.067	123	0.15866	0.606	153	-0.47201	54.748	128	1.42185	0.300
135	0.07811	0.013	124	-0.00062	0.000	157	0.09252	13.586	132	0.46311	0.245
138	1.20252	0.126	135	-0.14538	0.125	162	-0.11314	115.553	156	0.01896	0.006
164	0.02911	0.008	156	-0.20671	0.166	170	-1.59429	288.468	179	0.00042	0.000
188	0.00259	0.002	167	0.05373	0.381	179	-0.01991	1.699	185	0.00444	0.021
193	-0.10586	0.846	170	-0.00329	0.001	188	0.01108	8.661	189	-0.00096	0.000
202	0.63618	0.010	205	-0.20997	0.162	190	-0.01070	1.562	192	-0.00030	0.000
207	1.30550	0.070				199	-0.00167	0.056	198	-0.14735	0.076
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.99593	0.992		0.99478	0.990		1.00000	1.000		0.98802	0.976

TABLE 1 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 208 VARIABLES.

JUDGE 5 STEP NUMBER 22			JUDGE 6 STEP NUMBER 22			JUDGE 7 STEP NUMBER 22			JUDGE 8 STEP NUMBER 22		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
17	0.41659	0.016	55	-0.00608	0.000	2	0.00004	0.001	3	-0.00017	0.000
18	-0.20389	0.015	57	-0.38195	0.131	39	0.72397	0.123	17	0.00167	0.001
24	-0.00676	0.002	59	-0.42166	0.041	43	0.77865	0.064	21	0.58076	0.629
27	0.14009	0.007	68	0.00568	0.000	79	0.16545	0.119	37	-1.17146	0.824
29	-0.00906	0.002	78	0.13994	0.004	80	-0.24971	0.202	57	-0.37397	0.468
38	-0.04679	0.002	87	-0.47491	0.013	88	-0.11889	0.033	94	-0.03464	0.007
52	-0.53243	0.016	89	0.00190	0.000	94	-0.12291	0.065	95	-0.14955	0.006
53	1.03799	1.743	111	-0.58880	0.015	110	0.00419	0.004	97	-0.67448	0.524
57	-0.27350	0.056	126	-0.07255	0.001	120	-0.53219	0.108	98	-0.00745	0.001
60	0.00645	0.000	146	0.00174	0.000	126	0.18405	0.049	109	0.01030	0.003
75	-1.01248	0.094	147	0.70952	0.044	128	1.11392	0.942	113	-0.00860	0.025
79	0.14793	0.008	149	0.02352	0.004	130	-0.14238	0.015	123	0.31121	0.379
83	0.01902	0.002	157	0.03282	0.004	135	0.51155	0.027	124	-0.37360	0.067
87	-1.17974	0.084	158	-0.00239	0.005	150	0.00795	0.001	130	0.36222	0.079
89	-0.61146	0.101	164	0.02149	0.001	153	0.00583	0.002	145	-0.18098	0.051
118	0.49067	0.061	165	-0.09706	0.005	163	0.03271	0.339	150	-0.10739	0.016
120	0.16403	0.037	166	-0.09171	0.013	166	-0.01153	0.040	154	-0.38891	0.083
123	0.00629	0.055	172	-0.03753	0.001	182	-0.03831	0.010	156	0.24748	0.073
153	-0.13775	0.044	178	-1.49111	0.057	183	0.08314	0.068	178	-0.07602	0.002
162	0.00054	0.000	183	0.07388	0.012	186	-0.00148	0.001	182	0.00501	0.002
194	0.00536	0.002	191	-0.00215	0.000	190	0.00207	0.002	192	-0.13606	0.018
205	0.33240	0.019	200	-0.97045	0.050	205	0.66618	0.107	194	-0.91339	0.345
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.99666	0.993		0.98802	0.976		0.99717	0.994		0.99685	0.994

TABLE 1 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 208 VARIABLES.

JUDGE 9 STEP NUMBER 22			JUDGE 10 STEP NUMBER 22			JUDGE 11 STEP NUMBER 22			JUDGE 12 STEP NUMBER 22		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
7	0.19164	0.044	11	-2.00734	0.030	19	-1.63635	0.444	6	-0.06956	0.001
18	1.16561	0.403	16	1.21122	0.009	21	-0.02180	0.001	7	-0.74225	0.097
28	-0.01769	0.064	17	0.02764	0.001	29	-0.12227	0.015	9	-0.32370	0.017
29	-0.33576	1.346	22	0.73845	0.004	42	0.93244	0.022	21	0.71599	0.053
38	-0.66640	1.277	25	-0.00854	0.000	52	-0.18056	0.006	27	-0.00270	0.000
96	-0.72978	0.518	57	-0.03562	0.004	56	0.02928	0.004	43	-0.00507	0.001
98	0.01264	0.011	62	0.35975	0.024	59	-0.01797	0.001	57	-0.24801	0.172
99	0.32003	0.051	78	0.09285	0.005	62	0.05994	0.018	58	-0.00953	0.008
109	-0.05401	0.233	79	0.03928	0.001	77	0.19618	0.034	63	-0.08779	0.007
118	-0.00088	0.001	80	0.00118	0.000	92	-0.17657	0.010	95	-0.25730	0.021
131	-0.94821	0.087	95	0.17868	0.007	115	0.43977	1.351	111	0.01323	0.001
133	-0.07845	0.041	98	0.02127	0.005	120	0.04424	0.010	123	0.22304	0.098
135	-0.27769	0.047	115	-0.07583	0.002	138	0.01786	0.001	126	-0.36081	0.065
156	-0.01208	0.040	121	0.39130	0.008	143	-0.00692	0.001	130	1.04124	0.076
157	0.00774	0.010	130	-2.60039	0.018	146	0.03030	0.001	138	-0.77210	0.017
159	0.11409	0.161	146	2.64916	0.038	154	-0.09452	0.040	156	-0.02509	0.004
161	-0.26689	2.359	149	-0.13533	0.030	157	-0.21131	0.070	163	0.00197	0.001
164	-0.00047	0.000	167	0.00362	0.000	172	-0.02988	0.001	170	-0.83095	0.403
167	0.00107	0.001	179	0.29980	0.129	183	0.08915	0.049	191	-0.25746	0.022
188	0.01119	0.089	191	-0.00542	0.002	194	-0.01994	0.002	192	0.02190	0.005
194	-0.19439	0.145	195	-0.48030	0.045	197	0.42139	0.010	194	-0.84784	0.176
200	-1.70176	0.797	202	0.18837	0.001	200	-0.04354	0.001	197	0.81528	0.055
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.99621	0.992		0.98969	0.979		0.99645	0.993		0.99621	0.992

TABLE 1 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 208 VARIABLES.

JUDGE AVERAGE
STEP NUMBER 23

VAR	COEFF	T-VAL
2	0.00913	0.023
3	0.06658	0.105
17	-0.00352	0.001
43	0.62540	1.183
57	-0.25085	0.541
75	0.01511	0.402
91	-0.12096	0.402
94	0.17111	0.027
122	0.17953	0.092
123	-0.00447	0.003
125	-0.01478	0.002
138	0.00880	0.001
140	0.08530	0.009
146	1.06355	0.101
164	-0.14968	0.060
168	0.00168	0.001
170	0.02739	0.009
182	0.10039	0.058
183	0.03039	0.022
185	0.06525	0.037
192	-0.06012	0.057
204	-0.14301	0.006
208	-0.00318	0.000

MULT R	R^2
0.75235	0.566

model to dentist's model. Additionally, even when the same variables are involved, the Beta-coefficients (weights) and t-values differ significantly between individual dentists.

As can be seen in Table 1, the R-squared values, showing the "goodness of fit" of the individual models, range from 0.566 for the "average" dentist, to 1.000 for the third dentist. Based on the work of Nikias et al., this finding was not at all unexpected. In their work on developing an oral health status index based upon ranking of oral status profiles by panels of dental professionals, Nikias et al. found that dentists tended to develop very individual models of clinical assessment. The greatest variability in clinical assessment occurred between dentists when clinical cases contained a combination of contrasting levels of oral disease and conditions which brought them close to the same level of overall oral health. [Ref. 308: pp. 21-25] Thus in a situation where the clinical cases are intentionally paired so that 70% of them are very close in overall oral health, as they are in this situation [Ref. 285: p. 25], one would expect the R-squares for the individual dentists' models to be higher than that for the "average" dentist's model.

Of principal importance is the "average" dentist's model, since this model provides the foundation for any oral health status index subsequently developed. As can be seen in Table 1, the greatest t-values (B/SEB) are associated with the following variables: total severely fractured teeth (1.183);

total lower posterior missing teeth (0.541); upper posterior tipped teeth (0.420); lower anterior teeth with virgin decay (0.402); being female (0.105); and lower anterior replaced fixed pontics (0.101). Not only does the size of the model (the number of variables involved) make it impractical for use as an oral health index, the directions of some of the Beta-coefficients (weights) are intuitively bothersome in this model. For example, total severely fractured teeth is positively related to oral health (0.62540), as is upper posterior tipped teeth (0.01511). More will be said about this phenomenon later.

Table 2 provides a correlation matrix revealing correlations between clinical case scores as computed through each individual dentist's model. As can be seen, the correlations range from -0.0598 (between dentists nine and eleven) to 0.6789 (between dentists eight and twelve).

The work of Nikias et al. had indicated that high correlations under these circumstances should not be expected. [Ref. 308: pp. 21-25] Marcus et al. in their work in developing an oral health status index, however, had reported very high correlations between judges' scores, ranging from 0.8156 to 0.9623. [Ref. 285: pp. 41-42]

Examination of dentists' preferences within specific case pairings, however, showed a wide range (see Appendix L). For example, for pairings of clinical cases four and six, the twelve dentists' preferences ranged from -2 to 2 (2, -1, 1, -2,

TABLE 2

CORRELATION MATRIX REVEALING THE CORRELATIONS BETWEEN CASE SCORES AS COMPUTED FROM INDIVIDUAL MODELS OF THE TWELVE DENTISTS USING 66 CLINICAL CASES AND 208 VARIABLES.

	JUDGE 1	JUDGE 2	JUDGE 3	JUDGE 4	JUDGE 5	JUDGE 6	JUDGE 7	JUDGE 8	JUDGE 9	JUDGE 10	JUDGE 11	JUDGE 12
JUDGE 1	1.0000											
JUDGE 2	0.2349	1.0000										
JUDGE 3	0.0911	0.1395	1.0000									
JUDGE 4	0.6293	0.1844	0.2762	1.0000								
JUDGE 5	0.2788	0.2623	0.2616	0.4766	1.0000							
JUDGE 6	0.1184	0.0596	0.2465	0.3466	0.3429	1.0000						
JUDGE 7	0.4863	-0.0521	0.1760	0.4567	0.0594	0.2128	1.0000					
JUDGE 8	0.1625	0.1953	0.3228	0.4420	0.2174	0.2745	0.1291	1.0000				
JUDGE 9	-0.0510	0.1830	0.6154	0.1275	0.0040	0.2138	0.0629	0.2104	1.0000			
JUDGE 10	0.2931	0.1750	0.4264	0.3029	0.1832	0.4920	0.4192	0.3134	0.3771	1.0000		
JUDGE 11	0.3340	0.2160	-0.0391	0.1724	0.2567	0.2752	0.3240	0.2722	-0.0598	0.5483	1.0000	
JUDGE 12	0.0993	0.2614	0.5830	0.3097	0.2229	0.3354	0.1452	0.6789	0.4673	0.4885	0.3635	1.0000

-2, 1, 1, 2, 1, 2, 1, and 2), as was true for clinical cases 43 and seven (1, -1, -1, -2, 1, 2, -1, 1, 1, 2, 2, and 1), thirty and 36 (1, -1, -1, 2, -2, 1, 2, 1, 2, -2, -2, and -1), and forty and five (1, -1, -1, 2, 1, 1, -1, 2, 1, -2, -1, and 1). It should be noted that these represent the maximum range (-2 to 2) allowed by Marcus et al. when pairings of clinical cases were presented to the dentist consultants. [Ref. 285: p. 23]

In fact, only 30.4 percent of the pairings of the 66 clinical cases revealed the same direction for all twelve dentist's preferences (all preferred the first case (+) or all preferred the second case (-) of any pairing). And none of these pairings revealed the same degree of preference (all ones or all twos) for any one case over its alternative selection.

E. CLUSTERING INTO FACTORS

The original, untransformed data base (see Appendix B), containing 66 clinical cases, with their respective 208 variables, was processed through the BMDP factor analysis program [Ref. 302: pp. 480-499] in an attempt to reduce the number of variables under consideration through clustering the initial variables into "factors", composed of several variables, which seemed to provide the greatest explanatory power for the dentists' preferences.

Forty-nine factors, largely corresponding to the totals of each of the major variables (a sum of the positional

variables) initially seemed to have the greatest explanatory power for the dentists' preferences. Six of these factors, however, were subsequently dropped. These factors related to bone loss (mild, moderate, and severe) and tooth mobility (class I, II, and III) variables). Bone loss is highly correlated with, and essentially measures the same clinical phenomenon as, periodontal pocket depth. [Refs. 303-306] Thus bone loss, as determined from radiographic measurements using the Schei scale [Ref. 303], was eliminated and periodontal pocket depth, as measured by use of a periodontal probe, was retained. Tooth mobility, like bone loss, is also highly correlated with periodontal pocket depth. Additionally, however, there are measurement problems with tooth mobility that make measurement of periodontal pocket depth more advantageous in assessing oral health status. [Ref. 307] Tooth mobility was thus eliminated in favor of periodontal pocket depth measurement. It should be noted that all three of these factors (bone loss, periodontal pocket depth, and tooth mobility) were included within the variables labeled periodontal disease (mild, moderate, and severe) in Marcus and his coworkers initial work. [Ref. 285: p. 27] They too, however, elected to eventually eliminate bone loss and tooth mobility from their final direct oral health index, retaining periodontal pocket depth as a measure of periodontal disease. [Ref. 285: pp. 78-79]

A new, transformed data base was created (see Appendix D) containing 66 clinical cases with their new 43 factors

TABLE 3

FORTY-THREE TRANSFORMED VARIABLES FROM SIXTY-SIX CLINICAL CASES.

VARIABLE	VARIABLE NAME
X1*	Case No.
X2	TMJ Sounds
X3	TMJ Dislocation
X4	TMJ Function Loss
X5	TMJ Pain
X6	Occlusion, Class I
X7	Occlusion, Class II
X8	Occlusion, Class III
X9	Crossbite, Anterior
X10	Crossbite, Posterior
X11	Gingivitis, Acute
X12	Gingivitis, Chronic
X13	Extruded, Severe, Total
X14	Abrasion, Severe, Total
X15	Fracture, Mild, Total
X16	Fracture, Severe, Total
X17	Fracture, Periapical, Total
X18	Unerupted Teeth, Total
X19	Missing Teeth, Total**
X20	Missing Teeth, Cuspid/1st Molar, Total
X21	Missing Teeth, Free Ends, Total
X22	Missing Teeth, 3rd Molar, Total
X23	Tipped Teeth, Total
X24	Virgin Decay, Mild, Total
X25	Virgin Decay, Severe, Total
X26	Virgin Decay, Pupal, Total
X27	Recurrent Decay, Mild, Total
X28	Recurrent Decay, Severe, Total
X29	Recurrent Decay, Pupal, Total
X30	Fillings, Serviceable, Total
X31	Fillings, Defective, Total
X32	Restorations, Serviceable, Total
X33	Restorations, Defective, Total
X34	Endodontics, Serviceable, Total
X35	Endodontics, Defective, Total
X36	Tumors, Total
X37	Replaced Teeth, Fixed Pontics, Total
X38	Replaced Teeth, Removable, Total
X39	Calculus, Total
X40	Periodontal Pockets, 0-1.9mm, Total
X41	Periodontal Pockets, 2-3.9mm, Total
X42	Periodontal Pockets, 4-5.9mm, Total
X43	Periodontal Pockets, 6+mm, Total

*Case label only, not involved in regression.
**Total does not include wisdom teeth.

TABLE 4

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 43 VARIABLES.

JUDGE 1 STEP NUMBER 22			JUDGE 2 STEP NUMBER 22			JUDGE 3 STEP NUMBER 22			JUDGE 4 STEP NUMBER 22		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
2	-0.44929	0.037	2	-2.08319	0.146	5	0.04076	1.374	5	1.33207	0.226
6	-0.01898	0.003	6	-0.42291	0.485	6	0.40143	3.698	7	-0.24826	0.152
7	0.51754	0.140	10	0.56207	0.078	7	1.16294	11.814	8	-0.45604	0.061
10	0.70352	1.036	13	-0.20983	0.052	8	-1.26391	11.500	10	0.93017	0.242
12	-0.14769	0.052	15	0.16661	0.059	12	-1.22172	40.444	12	0.32010	0.084
13	0.08050	0.057	18	-0.06459	0.009	14	-0.17608	144.781	13	-0.40123	0.298
14	0.00151	0.006	19	-0.12557	0.395	15	0.89206	33.684	14	-0.03287	0.124
16	-0.08130	0.031	21	-0.01162	0.001	16	-1.10032	65.580	16	0.66871	0.194
18	0.26561	0.251	22	0.59838	0.312	18	0.70568	100.880	19	0.02448	0.061
19	0.06771	0.090	25	0.46321	0.086	19	-0.08478	95.050	20	-0.46945	0.675
20	-0.04220	0.026	27	-0.10335	0.356	24	-0.65733	63.345	21	-0.46487	0.131
21	-1.62863	0.284	28	0.17263	0.366	28	1.17218	62.959	26	-0.20132	0.364
25	-0.64012	0.212	29	-1.07668	0.169	31	0.00051	0.060	27	-0.22616	0.978
26	0.37581	0.203	30	0.02718	0.100	32	-0.00474	5.475	28	-0.17264	0.058
28	0.41209	0.299	31	0.50288	0.225	33	-0.03933	5.363	29	0.94953	0.135
30	0.01745	0.131	32	0.08381	0.089	34	0.84710	87.600	30	0.02530	0.136
31	0.38103	0.277	33	-0.00615	0.001	35	1.77891	46.438	31	0.00805	0.006
33	0.52724	0.362	37	0.82908	0.111	36	0.14981	9.945	32	0.17313	0.168
34	-0.26592	0.227	38	-0.09365	0.341	37	0.17504	25.522	33	1.02587	0.595
35	1.32974	0.978	39	0.00896	0.045	38	-0.49875	57.378	36	0.24987	0.078
40	0.10879	0.017	41	0.00158	0.006	39	0.04134	20.308	39	-0.09184	1.057
43	-0.17076	0.582	43	-0.14259	0.465	43	-0.04730	9.289	43	-0.13342	0.166
MULT R		R^2	MULT R		R^2	MULT R		R^2	MULT R		R^2
0.99593		0.992	0.99478		0.990	1.00000		1.000	0.98802		0.976

TABLE 4 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 43 VARIABLES.

JUDGE 5 STEP NUMBER 22			JUDGE 6 STEP NUMBER 22			JUDGE 7 STEP NUMBER 22			JUDGE 8 STEP NUMBER 22		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
2	-1.73837	0.420	2	1.48094	0.112	4	-0.26003	0.149	2	-2.38326	1.291
5	-0.00638	0.001	5	1.42254	0.184	11	3.20066	0.427	4	2.01182	0.594
8	-0.15149	0.028	7	0.80856	0.148	12	-0.00238	0.002	7	0.63191	0.689
11	-0.10764	0.024	8	-1.35500	0.088	13	-0.22815	0.631	10	1.00407	0.785
12	0.77510	0.980	14	-0.00253	0.004	14	0.01032	0.061	12	0.29588	0.091
13	0.01581	0.019	18	0.91036	1.135	15	1.62435	0.757	13	-0.05556	0.033
15	-0.01365	0.013	19	0.12281	0.138	16	0.12758	0.081	15	-1.08028	0.478
18	0.64366	1.765	20	-0.00542	0.005	20	0.07176	0.215	16	0.23860	0.259
19	-0.05556	0.622	23	0.73315	0.696	21	-1.43072	0.427	19	-0.28932	0.632
22	-0.12083	0.321	24	0.08161	0.165	23	-0.10195	0.293	21	1.57144	0.769
23	-0.33341	0.884	25	-0.01085	0.013	24	-0.36288	0.918	24	0.12429	0.239
24	0.07347	0.225	28	-0.31053	0.255	27	-0.20610	0.919	25	0.55284	1.049
25	0.07787	0.126	29	-0.29238	0.119	28	1.08538	1.607	26	-0.20711	0.403
26	-0.51706	0.856	30	-0.04864	0.237	29	-0.63555	0.158	28	0.36343	0.151
28	-0.02307	0.019	31	-0.04564	0.064	30	0.08929	0.449	29	0.31452	0.230
29	0.25938	0.093	32	-0.15919	0.255	32	0.22113	1.234	32	0.26296	0.283
31	0.69081	0.589	34	0.02379	0.040	33	1.99047	1.311	33	-0.17774	0.080
33	0.75466	0.789	35	-2.32854	0.290	34	-0.36812	0.707	35	-1.38008	2.449
34	-0.38942	1.313	37	0.31878	0.199	35	-0.52277	0.441	37	0.98742	0.425
35	-0.26064	0.196	39	-0.17900	0.497	40	-0.64594	0.188	38	0.20575	0.173
36	-1.16356	0.352	41	0.20809	0.290	41	-0.06983	0.107	41	-0.03439	0.092
37	0.06821	0.120	42	0.26812	0.372	42	-0.23250	0.334	43	-0.27038	0.625
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.99666	0.993		0.98802	0.976		0.99717	0.994		0.99685	0.994

TABLE 4 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 43 VARIABLES.

JUDGE 9 STEP NUMBER 22			JUDGE 10 STEP NUMBER 22			JUDGE 11 STEP NUMBER 22			JUDGE 12 STEP NUMBER 22		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
6	-2.82683	0.971	6	0.18522	0.096	2	0.37865	0.208	2	-0.19004	0.048
7	-1.96365	0.723	8	-0.79722	0.171	8	-2.81229	0.719	8	-1.58840	0.884
8	-1.68936	0.568	11	0.72225	0.122	11	-0.31584	0.034	10	0.33435	0.494
10	1.02610	1.970	13	0.84151	0.465	12	-0.04824	0.021	14	0.15642	0.362
13	-0.01551	0.070	14	-0.02397	0.031	13	0.27963	0.381	15	-1.31966	1.399
14	-0.02252	0.468	15	-0.67062	0.149	15	-0.52957	0.419	19	-0.26676	0.543
15	-0.55915	0.952	19	0.11814	0.211	16	0.36475	0.233	20	0.20781	0.348
16	0.95154	1.826	20	0.12871	0.203	19	0.13285	0.284	21	1.90493	0.758
20	-0.01490	0.076	21	-1.12231	0.316	21	0.28556	0.121	22	-0.72753	0.468
23	-0.14002	0.455	23	-0.54260	0.908	25	-0.12853	0.267	25	0.21012	0.350
26	-0.31694	1.243	24	0.05003	0.035	26	0.04148	0.139	26	0.02824	0.097
27	0.00161	0.010	26	-0.31000	0.388	31	0.34794	0.283	28	-0.36487	0.461
29	-1.70477	2.334	28	0.74794	0.390	32	0.02371	0.081	29	0.00682	0.001
30	-0.06239	1.109	29	0.03130	0.002	34	-0.16539	0.473	31	0.22120	0.164
31	0.69856	2.176	30	-0.00335	0.013	36	-0.70783	0.634	33	0.01858	0.050
33	-0.07573	0.122	31	0.26340	0.075	37	0.17558	0.223	34	-0.17974	0.758
34	0.05897	0.250	34	-0.02176	0.037	38	-0.00107	0.001	36	-3.67393	0.610
35	-1.93326	1.868	35	0.19561	0.035	39	-0.02731	0.752	37	1.18694	2.376
38	-0.12231	0.380	36	-0.02650	0.002	40	-0.01089	0.004	40	-1.00417	0.264
39	0.00409	0.077	38	-0.29299	0.345	41	0.25180	0.319	41	0.03797	0.032
40	0.50410	0.614	41	0.17618	0.787	42	0.17853	0.281	42	0.01454	0.012
43	-0.14812	0.994	43	0.23615	0.428	43	0.32101	0.330	43	-0.18523	0.235
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.99621	0.992		0.98969	0.979		0.99645	0.993		0.99620	0.992

TABLE 4 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 43 VARIABLES.

JUDGE AVERAGE
STEP NUMBER 23

VAR	COEFF	T-VAL
5	0.41258	0.706
6	-0.15462	0.222
11	0.69704	0.167
12	-0.58481	0.663
13	0.22906	1.185
15	-0.26104	0.316
16	0.41205	0.208
19	0.03826	0.165
20	0.20428	0.396
21	-0.90383	0.619
22	-0.01117	0.016
23	-0.11423	0.358
25	-0.22784	0.234
26	-0.00723	0.006
27	-0.07557	0.489
29	-0.77883	0.735
31	0.13597	0.103
33	0.09352	0.250
34	0.01917	0.068
35	-0.30749	0.257
37	0.26964	0.548
41	0.03803	0.267
43	0.04843	0.171

MULT R	R^2
0.75236	0.566

(variables) (see Table 3). As can be seen in Table 3, the new 43 factors include variables for temporomandibular joint disease (sounds, dislocation, loss of function, and pain); occlusion (class I, II, and III); crossbite (anterior and posterior); gingivitis (acute and chronic); extruded teeth (severe); abrated teeth (severe); fractured teeth (mild, severe, and periapical); unerupted teeth; missing teeth (total, cuspids, first molars, free ends, and third molars); tipped teeth; virgin decay (mild, severe, and pulpal); recurrent decay (mild, severe, and pulpal); fillings (serviceable and defective); restorations (serviceable and defective); endodontics (serviceable and defective); tumors; replaced teeth (fixed pontics and removable); calculus; and periodontal pockets (0-1.9 mm, 2-3.9 mm, 4-5.9 mm, and 6+ mm).

This new, transformed data base (see Appendix D), containing 66 clinical cases with their respective 43 variables, was processed through the BMDP preference pairs program [Ref. 296: pp. 547-553]. The results of this analysis are provided in Appendix E. As can be seen from the data, the preference pairs program again developed a separate model for each dentist as well as a model based upon the "average" dentist.

The data in Table 4 is abstracted from Appendix E and provides the final step from the stepwise multiple regression portion of the BMDP preference pairs program for each of the twelve dentists and the "average" dentist. Again, as with the earlier BMDP preference pairs program output with 208

variables, no two dentists have exactly the same model. There are 22 variables for each of the dentists' models and 23 variables for the "average" dentist's model. As noted in the earlier model, the variables involved differ from dentist's model to dentist's model. Additionally, as seen before with 208 variables, even when the variables are the same, the Beta-coefficients (weights) and t-values for each of the dentists differ significantly.

As can be seen in Table 4, the R-squared values of the individual models range from 0.566 for the "average" dentist to 1.000 for the third dentist. The earlier discussion concerning R-squared values applies here as well.

As before, the model developed for the "average" dentist is of pivotal importance in any subsequent development of an oral health status index. As can be seen in Table 4, the greatest t-values (B/SEB) are associated with the following variables: total severely extruded teeth (1.185); total teeth with recurrent pulpal decay (0.735); temporomandibular joint pain (0.706); chronic gingivitis (0.663); total missing teeth, free ends (0.619); and total replaced teeth, fixed pontics (0.548). As in the earlier BMDP preference pairs program output using 208 variables, however, the size of the model (number of variables) make it impractical for use as an oral health index and the directions of some of the Beta-coefficients (weights) in this model are again intuitively bothersome. For example, total severely extruded teeth is

positively related to oral health (0.22906), as is temporomandibular joint pain (0.41258). More will be said concerning this phenomenon later.

Table 5 provides a correlation matrix revealing correlations between clinical case scores computed through each individual dentist's model. As can be seen, the correlations range from -0.2159 (between dentists three and twelve) to 0.6030 (between dentists one and three). The earlier discussion concerning correlations between clinical case scores, in the BMDP preference pairs program using 208 variables, applies here as well.

F. PARING DOWN

The transformed data base (see Appendix D), containing 66 clinical cases, with their respective 43 variables, was processed through the BMDP factor analysis program [Ref. 302: pp. 480-499] in a further attempt to reduce the number of variables under consideration, through further clustering of the previously transformed variables.

Fourteen factors appeared to account for the majority of the explanatory power of these 43 variables, and are shown in Table 6. As can be seen, these variables include gingivitis (acute and chronic); extruded teeth (severe); fractured teeth; missing teeth (total and free ends), decayed teeth (virgin and recurrent); fillings and restorations; endodontics; replaced teeth; and periodontal pocket depth (0-3.9 mm, 4-5.9 mm and 6+ mm).

TABLE 5

CORRELATION MATRIX REVEALING THE CORRELATIONS BETWEEN CASE SCORES AS COMPUTED FROM INDIVIDUAL MODELS OF THE TWELVE DENTISTS USING 66 CLINICAL CASES AND 43 VARIABLES.

	JUDGE 1	JUDGE 2	JUDGE 3	JUDGE 4	JUDGE 5	JUDGE 6	JUDGE 7	JUDGE 8	JUDGE 9	JUDGE 10	JUDGE 11	JUDGE 12
JUDGE 1	1.0000											
JUDGE 2	0.0995	1.0000										
JUDGE 3	0.6030	0.3295	1.0000									
JUDGE 4	0.5235	0.2757	0.1974	1.0000								
JUDGE 5	-0.1653	0.0323	-0.0449	0.1971	1.0000							
JUDGE 6	0.1905	0.2615	-0.0203	0.3044	0.0447	1.0000						
JUDGE 7	0.4635	0.1602	0.3352	0.4994	0.0575	-0.1905	1.0000					
JUDGE 8	0.1074	0.4951	-0.0071	0.1903	-0.1549	0.3551	-0.1673	1.0000				
JUDGE 9	-0.0776	0.5319	0.1499	-0.0332	0.0492	0.2915	-0.1152	0.3220	1.0000			
JUDGE 10	0.2272	0.0744	0.4259	-0.1226	0.3130	-0.1994	0.2345	-0.1877	0.0274	1.0000		
JUDGE 11	0.1963	0.2406	0.1465	0.1220	0.3886	0.2371	0.0616	0.2697	0.0598	0.4745	1.0000	
JUDGE 12	-0.1678	0.0395	-0.2159	0.0245	0.3702	0.2317	-0.1588	0.2602	-0.1940	-0.0474	0.5350	1.0000

TABLE 6

FOURTEEN CLINICAL VARIABLES

Variable	Variable Name
X1*	Case Number
X2	Gingivitis, Acute
X3	Gingivitis, Chronic
X4	Extruded Teeth, Severe Total
X5	Fractured Teeth, Total
X6	Missing Teeth, Total**
X7	Missing Teeth, Free Ends, Total
X8	Decayed Teeth, Total
X9	Filled and Restored Teeth, Total
X10	Endodontics, Total
X11	Replaced Teeth, Total
X12	Periodontal Pockets, 0-3.9 mm
X13	Periodontal Pockets, 4-5.9 mm
X14	Periodontal Pockets, 6+ mm

*Case label only, not involved in regression.
**Total does not include wisdom teeth.

This newly transformed data set (see Appendix F), containing 66 clinical cases with their respective 14 variables, was processed through the BMDP preference pairs program [Ref: 296: 547-553]. The results of this analysis are provided in Appendix G. As can be seen from the data, the preference pairs program again developed a separate model for each dentist as well as a model based upon the "average" dentist.

The data in Table 7 is abstracted from Appendix G and provides the final step from the stepwise multiple regression portion of the BMDP preference pairs program for each of the twelve dentists as well as the "average" dentist. Again, as

TABLE 7

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 14 VARIABLES.

JUDGE 1 STEP NUMBER 13			JUDGE 2 STEP NUMBER 13			JUDGE 3 STEP NUMBER 13			JUDGE 4 STEP NUMBER 13		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
2	-0.66764	0.668	2	1.14463	0.690	2	0.87403	0.947	2	0.29790	0.272
3	0.12117	0.299	3	-0.38891	0.578	3	-0.60903	1.627	3	-1.13741	2.557
4	0.25174	1.211	4	0.14992	0.435	4	0.10465	0.545	4	-0.03607	0.158
5	0.12379	0.621	5	0.02343	0.071	5	0.10378	0.564	5	0.37916	1.735
6	-0.37931	2.149	6	-0.24128	0.824	6	-0.12335	0.757	6	-0.21055	1.087
7	-1.31451	2.583	7	-0.70699	0.837	7	-0.12275	0.261	7	-0.91364	1.636
8	0.10550	1.361	8	-0.04183	0.325	8	-0.18391	2.571	8	-0.14492	1.704
9	0.05075	1.397	9	0.00054	0.009	9	0.00019	0.006	9	-0.01339	0.336
10	-0.46411	2.016	10	0.16544	0.433	10	0.48193	2.268	10	0.30173	1.195
11	0.45796	2.740	11	-0.05818	0.210	11	-0.23111	1.499	11	0.13515	0.737
12	-0.33663	2.337	12	-0.25005	1.046	12	-0.05381	0.405	12	-0.16655	1.054
13	-0.38198	2.439	13	-0.27078	1.042	13	-0.09161	0.634	13	-0.18358	1.069
14	-0.61346	2.977	14	-0.19145	0.560	14	0.03124	0.164	14	-0.12735	0.563
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.91072	0.829		0.63133	0.399		0.90213	0.814		0.92180	0.850

TABLE 7 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 14 VARIABLES.

JUDGE 5 STEP NUMBER 13			JUDGE 6 STEP NUMBER 13			JUDGE 7 STEP NUMBER 13			JUDGE 8 STEP NUMBER 13		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
2	2.84424	1.662	2	1.03937	0.815	2	-1.05952	0.727	2	1.53012	1.025
3	-1.10364	1.590	3	-0.38499	0.744	3	-1.09653	1.855	3	-0.58898	0.972
4	0.16352	0.459	4	-0.03369	0.127	4	0.23617	0.779	4	0.09024	0.291
5	0.50538	1.482	5	0.16580	0.652	5	-0.09403	0.324	5	-0.07448	0.250
6	-0.24038	0.795	6	-0.24884	1.105	6	-0.06472	0.251	6	-0.23353	0.886
7	-0.61945	0.711	7	-0.06239	0.096	7	-0.40967	0.552	7	0.50143	0.660
8	-0.11965	0.902	8	-0.03877	0.392	8	-0.11037	0.976	8	-0.13413	1.158
9	0.00381	0.061	9	-0.02117	0.457	9	0.01192	0.225	9	0.02929	0.540
10	0.04061	0.103	10	-0.02591	0.088	10	-0.01949	0.058	10	0.08587	0.250
11	0.10686	0.374	11	0.08275	0.388	11	-0.17583	0.722	11	0.04571	0.183
12	-0.24417	0.990	12	-0.02813	0.153	12	-0.03076	0.146	12	-0.02243	0.104
13	-0.25773	0.961	13	-0.08721	0.437	13	-0.08195	0.359	13	0.01013	0.043
14	-0.10448	0.296	14	-0.12998	0.495	14	-0.11943	0.398	14	-0.04887	0.150
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.76811	0.590		0.89261	0.797		0.86485	0.748		0.83996	0.706

TABLE 7 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 14 VARIABLES.

JUDGE 9 STEP NUMBER 13			JUDGE 10 STEP NUMBER 13			JUDGE 11 STEP NUMBER 13			JUDGE 12 STEP NUMBER 13		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
2	1.45142	0.971	2	2.19574	1.410	2	3.12519	2.861	2	1.56235	1.343
3	-0.69949	1.153	3	-0.39213	0.621	3	-0.35663	0.805	3	-0.34515	0.732
4	-0.18849	0.606	4	0.69383	2.143	4	0.51672	2.274	4	0.18094	0.748
5	0.23094	0.775	5	-0.02300	0.074	5	0.36831	1.692	5	0.05377	0.232
6	-0.15489	0.587	6	-0.42135	1.533	6	-0.20651	1.071	6	-0.26914	1.310
7	0.22354	0.294	7	-0.77125	0.973	7	-0.52287	0.940	7	-0.01091	0.018
8	-0.20131	1.736	8	-0.00809	0.067	8	-0.05721	0.675	8	-0.09613	1.066
9	0.01456	0.268	9	0.02891	0.511	9	0.01298	0.327	9	0.00161	0.038
10	0.09963	0.289	10	-0.29419	0.820	10	-0.11326	0.450	10	0.07210	0.269
11	-0.21767	0.871	11	-0.07246	0.278	11	0.04918	0.269	11	0.09829	0.506
12	-0.02625	0.122	12	-0.29743	1.326	12	-0.14755	0.937	12	-0.08039	0.480
13	0.00750	0.032	13	-0.39394	1.615	13	-0.26572	1.553	13	-0.11955	0.656
14	-0.01542	0.050	14	-0.26310	0.820	14	-0.03290	0.146	14	-0.10602	0.442
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.80273	0.644		0.85968	0.739		0.90683	0.822		0.88595	0.785

TABLE 7 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND 14 VARIABLES.

JUDGE AVERAGE
STEP NUMBER 13

VAR	COEFF	T-VAL
2	1.18728	3.323
3	-0.59083	4.047
4	0.18096	2.452
5	0.13272	1.860
6	-0.21130	3.286
7	-0.38793	2.095
8	-0.08946	3.175
9	0.01080	0.817
10	0.04104	0.489
11	0.01768	0.291
12	-0.12203	2.328
13	-0.15617	2.745
14	-0.12289	1.640

MULT R	R^2
0.70313	0.494

with the earlier BMDP preference pairs programs with 208 and 43 variables, no two dentists have exactly the same model. Although the same variables are involved in each individual dentist's model, the Beta-coefficients (weights) and t-values of the variables within each of the dentist's models differ significantly.

As can be seen in Table 7, the R-squared values of the individual models range from 0.399 for the second dentist, to 0.850 for the fourth dentist. Unlike the earlier BMDP preference pairs programs, for 208 and 43 variables, however, the model developed for the "average" dentist does not possess the lowest R-squared value, but is an intermediate value, 0.494.

As with models seen previously, the model developed for the "average" dentist is of pivotal importance in any subsequent development of an oral health status index. As can be seen in Table 7, the greatest t-values (B/SEB) are associated with the following variables: chronic gingivitis (4.047); acute gingivitis (3.323); total missing teeth (3.286); total decayed teeth, virgin and recurrent (3.175); total periodontal pockets, 4-5.9 mm (2.745); total severely extruded teeth (2.452); total periodontal pockets, 0-3.9 mm (2.328); and total free ends (2.095). As with earlier BMDP preference pairs program outputs with 208 and 43 variables, however, the directions of some of the Beta-coefficients (weights) in this model are intuitively bothersome. For example, acute gingivitis is positively related to oral health (1.18728), as are severely extruded teeth (0.18096) and total fractured teeth (0.13272).

Table 8 provides a correlation matrix revealing correlations between clinical case scores computed through each individual dentist's model. As can be seen, the correlations range from -0.2159 (between dentists three and twelve) to 0.603 (between dentists one and three). The earlier discussion, concerning correlations between clinical case scores in the BMDP preference pairs program using 208 and 43 variables, applies here as well.

G. A WORKABLE MODEL?

The newly transformed data base (see Appendix F), containing 66 clinical cases with their respective fourteen variables, was processed once again through the BMDP factor analysis program [Ref. 302: pp. 480-499], in a further attempt to reduce the number of variables under consideration, through additional clustering of the newly transformed variables.

Seven factors appeared to account for the vast majority of the explanatory power of the fourteen variables, and are shown in Table 9. As can be seen, these variables included decayed teeth (including fractured teeth, virgin decay, recurrent decay, defective fillings, defective restorations, and defective endodontics); replaced teeth (fixed pontics and removable); and periodontal pocket depths (2-3.9 mm, 4-5.9 mm, and 6+ mm).

The newly transformed data base (see Appendix H), containing 66 clinical cases, with their respective seven variables,

TABLE 8

CORRELATION MATRIX REVEALING THE CORRELATIONS BETWEEN CASE SCORES AS COMPUTED FROM INDIVIDUAL MODELS OF THE TWELVE DENTISTS USING 66 CLINICAL CASES AND 14 VARIABLES.

	JUDGE 1	JUDGE 2	JUDGE 3	JUDGE 4	JUDGE 5	JUDGE 6	JUDGE 7	JUDGE 8	JUDGE 9	JUDGE 10	JUDGE 11	JUDGE 12
JUDGE 1	1.0000											
JUDGE 2	0.0995	1.0000										
JUDGE 3	0.6030	0.3295	1.0000									
JUDGE 4	0.5235	0.2757	0.1974	1.0000								
JUDGE 5	-0.1653	0.0323	-0.0449	0.1971	1.0000							
JUDGE 6	0.1905	0.2615	-0.0203	0.3044	0.0447	1.0000						
JUDGE 7	0.4635	0.1602	0.3352	0.4994	0.0575	-0.1905	1.0000					
JUDGE 8	0.1074	0.4951	-0.0071	0.1903	-0.1549	0.3551	-0.1673	1.0000				
JUDGE 9	-0.0776	0.5319	0.1499	-0.0332	0.0492	0.2915	-0.1152	0.3220	1.0000			
JUDGE 10	0.2272	0.0744	0.4259	-0.1226	0.3130	-0.1994	0.2345	-0.1877	0.0274	1.0000		
JUDGE 11	0.1963	0.2406	0.1465	0.1220	0.3886	0.2371	0.0616	0.2697	0.0598	0.4745	1.0000	
JUDGE 12	-0.1678	0.0395	-0.2159	0.0245	0.3702	0.2317	-0.1588	0.2602	-0.1940	-0.0474	0.5350	1.000

TABLE 9

SEVEN CLINICAL VARIABLES

Variable	Variable Name
X1*	Case Number
X2	Missing Teeth, Total ar
X3	Decayed Teeth, Total
X4	Replaced Teeth
X5	Periodontal Pockets, ?
X6	Periodontal Pockets,
X7	Periodontal Pockets,

*Case label only, not involved ir

was processed through the BMDP preference pairs program [Ref. 296: pp. 547-553]. The results of this analysis are provided in Appendix I. As can be seen from the data, the preference pairs program again developed a separate model for each dentist as well as a model based upon the "average" dentist.

The data in Table 10 is abstracted from Appendix I and provides the final step from the stepwise multiple regression portions of the BMDP preference pairs program for each of the twelve dentists and the "average" dentist. Again, as with earlier BMDP preference pairs programs using 208, 43, and 14 variables, no two dentists have exactly the same model. Although the same variables are involved within each individual dentist's model, the Beta-coefficients (weights) and t-values differ signficiantly.

As can be seen in Table 10, the R-squared values of the individual dentists' models range from 0.339 for the fifth dentist, to 0.736 for the sixth dentist. The R-squared value of the "average" dentist's model is 0.427, and as in the last model, using fourteen variables, is not the lowest of the R-squared values.

As in the models developed previously, using 208, 43, and 14 variables, the model developed for the "average" dentist is of pivotal importance in subsequent development of an oral health status index. As can be seen in Table 10, the t-values, in descending order, for the seven variables were: total

TABLE 10

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND SEVEN VARIABLES.

JUDGE 1 STEP NUMBER 6			JUDGE 2 STEP NUMBER 6			JUDGE 3 STEP NUMBER 6			JUDGE 4 STEP NUMBER 6		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
2	-0.38991	3.159	2	-0.29990	2.338	2	-0.45227	2.818	2	-0.55069	3.656
3	-0.03648	0.935	3	-0.00723	0.178	3	0.03469	0.683	3	0.08098	1.700
4	0.01008	0.081	4	0.25877	2.007	4	0.06476	0.401	4	0.47841	3.159
5	-0.26866	2.140	5	-0.18823	1.443	5	-0.38644	2.367	5	-0.37379	2.440
6	-0.31842	2.486	6	-0.18708	1.406	6	-0.40123	2.409	6	-0.42134	2.695
7	-0.34954	2.288	7	-0.43267	2.726	7	-0.45366	2.284	7	-0.52966	2.841
MULT R		R^2	MULT R		R^2	MULT R		R^2	MULT R		R^2
0.78904		0.623	0.82584		0.682	0.60157		0.362	0.82394		0.679

TABLE 10 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND SEVEN VARIABLES.

JUDGE 5 STEP NUMBER 6			JUDGE 6 STEP NUMBER 6			JUDGE 7 STEP NUMBER 6			JUDGE 8 STEP NUMBER 6		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
2	-0.41598	2.038	2	-0.19652	1.440	2	-0.29299	1.654	2	-0.31569	1.895
3	0.05324	0.825	3	0.01934	0.448	3	-0.00696	0.124	3	-0.07737	1.459
4	0.33624	1.638	4	0.15715	1.145	4	0.06347	0.356	4	0.16903	1.009
5	-0.33664	1.621	5	0.01230	0.089	5	-0.18586	1.031	5	-0.15354	0.906
6	-0.35753	1.688	6	-0.06113	0.432	6	-0.27287	1.484	6	-0.15143	0.876
7	-0.49875	1.974	7	-0.16829	0.996	7	-0.36900	1.683	7	-0.31165	1.511
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.58265	0.339		0.85815	0.736		0.76055	0.578		0.76479	0.585

TABLE 10 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND SEVEN VARIABLES.

JUDGE 9 STEP NUMBER 6			JUDGE 10 STEP NUMBER 6			JUDGE 11 STEP NUMBER 6			JUDGE 12 STEP NUMBER 6		
VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL	VAR	COEFF	T-VAL
2	-0.28292	1.570	2	-0.39620	1.995	2	-0.18563	1.114	2	-0.28905	2.340
3	-0.04479	0.786	3	-0.08491	1.353	3	-0.05289	1.004	3	-0.05760	1.474
4	0.00371	0.020	4	-0.18152	0.909	4	0.00393	0.023	4	0.15517	1.249
5	-0.15463	0.843	5	-0.24343	1.205	5	-0.08829	0.521	5	-0.11353	0.903
6	-0.16620	0.889	6	-0.28684	1.392	6	-0.15223	0.880	6	-0.15007	1.170
7	-0.29390	1.318	7	-0.38728	1.576	7	-0.22377	1.085	7	-0.26523	1.735
	MULT R	R^2		MULT R	R^2		MULT R	R^2		MULT R	R^2
	0.64407	0.415		0.72062	0.519		0.72896	0.531		0.85150	0.725

TABLE 10 (CONT'D)

RESULTS OF FINAL STEP OF THE MULTIPLE REGRESSION PHASE OF THE PREFERENCE PAIRS PROGRAM FOR EACH INDIVIDUAL DENTIST AND THE "AVERAGE" DENTIST USING 66 CLINICAL CASES AND SEVEN VARIABLES.

JUDGE AVERAGE
STEP NUMBER 6

VAR	COEFF	T-VAL
2	-0.32800	7.000
3	-0.01522	1.032
4	0.13413	2.850
5	-0.19654	4.118
6	-0.23257	4.775
7	-0.34511	5.948

MULT R	R^2
0.65380	0.427

missing teeth and free ends (7.000); total periodontal pocket depth, 6+ mm (5.948); total periodontal pocket depth, 4-5.9 mm (4.775); total periodontal pocket depth 6+ mm (4.118); total replaced teeth (2.850); and total decayed teeth (1.032). Unlike earlier models developed by the BMDP preference pairs program with 208, 43, and 14 variables, all Beta-coefficients of the seven variables appear to be in appropriate directions. For example, total missing teeth and free ends are negatively related to oral health (-0.328), as are total decayed teeth (-0.01522), and total periodontal pocket depths, 2-3.9 mm (-0.19654), 4-5.9 mm (-0.23257), and 6+ mm (-0.34511); while total replaced teeth is positively related to oral health (0.13413).

Table 11 provides a correlation matrix revealing correlations between clinical case scores computed through each individual dentist's model. As can be seen, the correlations range from 0.4838 (between dentists five and ten) to 0.9872 (between dentists one and twelve). As can also be seen, these correlations differ significantly from those seen earlier with 208, 43, and 14 variables.

H. FROM MODEL TO INDEX

The last BMDP preference pairs program model developed above, using seven variables, appeared to provide a reasonable basis for development of an index of oral health status. First, it was composed of a practical number of variables, seven. Second, it appeared clinically valid. That is, it

TABLE 11

CORRELATION MATRIX REVEALING THE CORRELATIONS BETWEEN CASE SCORES AS COMPUTED FROM INDIVIDUAL MODELS OF THE TWELVE DENTISTS USING THE 66 CLINICAL CASES AND SEVEN VARIABLES.

	JUDGE 1	JUDGE 2	JUDGE 3	JUDGE 4	JUDGE 5	JUDGE 6	JUDGE 7	JUDGE 8	JUDGE 9	JUDGE 10	JUDGE 11	JUDGE 12
JUDGE 1	1.0000											
JUDGE 2	0.6859	1.0000										
JUDGE 3	0.7166	0.9003	1.0000									
JUDGE 4	0.8786	0.8201	0.7494	1.0000								
JUDGE 5	0.9157	0.8157	0.7108	0.9716	1.0000							
JUDGE 6	0.8074	0.5587	0.7471	0.7470	0.6646	1.0000						
JUDGE 7	0.8845	0.7783	0.8918	0.8184	0.8184	0.8787	1.0000					
JUDGE 8	0.9197	0.7086	0.8507	0.8064	0.7920	0.8484	0.8819	1.0000				
JUDGE 9	0.8246	0.7726	0.9308	0.7107	0.6876	0.8578	0.9110	0.9404	1.0000			
JUDGE 10	0.6096	0.7419	0.9316	0.5130	0.4838	0.7234	0.8225	0.7944	0.9431	1.0000		
JUDGE 11	0.8289	0.6705	0.8833	0.6907	0.6833	0.8767	0.9655	0.9032	0.9389	0.8818	1.0000	
JUDGE 12	0.9872	0.6978	0.8725	0.8125	0.7716	0.9220	0.9245	0.9820	0.9482	0.8182	0.9436	1.0000

combined elements common to most of the oral health indexes developed in the past: decayed teeth, missing teeth, replaced teeth, and periodontal pocket depths. Additionally, where there are differing levels of clinical severity, both the Beta-coefficients (weights) and t-values (statistical significance) show appropriate movement. For example, periodontal pocket depths of 2-3.9 mm have Beta-coefficients of -0.19654 and t-values of 4.118; periodontal pocket depths of 4-5.9 mm have Beta-coefficients of -0.23257 and t-values of 4.775; and periodontal pocket depths of 6+ mm have Beta-coefficients of -0.334511 and t-values of 5.948. Thus the model indicates not only increasing clinical weights associated with increases in clinical severity, but reveals increasing statistical significance with increases in clinical severity as well.

As can be noted in Appendix I, part of the output of the BMDP preference pairs program is a computation of scores based on judgments evaluated for each case", the clinical case scores based upon the individual and "average" dentist's assessments and preferences. The clinical case scores for the "average" dentists are those of primary interest in construction and development of an oral health status index. As can be noted in Appendix I, the 66 clinical case scores developed for the "average" dentist range from -3.36 (-3.35518) to -10.54 (-10.53981), with a mean of -7.29 (-7.2880591) and a standard deviation of 1.5 (1.4996847). Of the 66 clinical

case scores, 96.97 percent (64/66) of the absolute values were less than 10.00.

As in the work of Marcus et al., an oral health index with a maximum score of 100, indicating complete oral health, was desired primarily for aesthetic reasons. Concern that negative values might also be obtained was minimal, particularly considering the differences between the population of interest within the uniformed services health benefits program and the population serviced by the UCLA dental school (to be discussed later). Consequently, the clinical case scores obtained from the BMDP preference pairs program (see Appendix I) were multiplied by a constant value (ten), and the variables contained within the data base for the 66 clinical cases (see Appendix H) regressed against the products using the multiple regression methodology available through the Minitab system developed at Penn State. [Ref. 309: pp. 166-171] As can be seen in Table 12, the equation's y-intercept was essentially zero (-0.0007935) and the order of the Beta-coefficients was preserved (as expected when multiplying by a constant), with missing teeth and free-ends, decayed teeth, replaced teeth, periodontal pocket depths 2-3.9 mm, periodontal pocket depths 4-5.9 mm, and periodontal pocket depths 6+ mm, having Beta-coefficients of -3.8 (-3.279975891), -0.15 (-0.152220916), 1.34 (1.34132), -1.97 (-1.965415), -2.33 (-2.32565402), and -3.45 (-3.45111465), respectively.

TABLE 12

RESULTS OF MULTIPLE REGRESSION OF SEVEN VARIABLES AGAINST ORAL HEALTH STATUS INDEX SCORES OF 66 CLINICAL CASES.

Variable	Variable Name	B-Coefficient
	Intercept	-0.0007935
X1*	Case Number	
X2	Missing Teeth and Free Ends	-3.279975891
X3	Decayed Teeth	-0.152220916
X4	Replaced Teeth	1.34132
X5	Periodontal Pockets, 2-3.9 mm	-1.965415
X6	Periodontal Pockets, 4-5.9 mm	-2.32565402
X7	Periodontal Pockets, 6+ mm	-3.45111465

*Case label only, not involved in regression.

To provide a numerical score for the oral health status index, the variables for each of the clinical cases are multiplied by their respective Beta-coefficients, summed, and the total subtracted from 100. The scores of the index of oral health for each of the 66 clinical cases are calculated and shown in Table 13. As can be seen, the final scores ranged from -5 (-5.398) to 66 (66.448), with a mean of 26 (26.204), a median of 26 (26.949), and a standard deviation of 12 (12.443).

To use this oral health status index on new clinical cases, similar procedures are employed. The number of missing teeth and free-ends; decayed teeth; replaced teeth; and periodontal pocket depths of 2-3.9 mm, 4-5.9 mm, and 6+ mm, are first ascertained through clinical examination. The

totals for each of these clinical categories are totaled, multiplied by their respective weights (Beta-coefficients), and the sums subtracted from 100 to yield the index score.

Eight-two individuals (active and retired military personnel) were examined at the Naval Postgraduate School (NPS) by Navy Dental Corps officers, the oral health status of each assessed, and oral health status index scores calculated. As can be seen in Table 14, the final scores ranged from 40 (40.247) to 100, with a mean of 91 (1.354), a median of 99 (99.391), and a standard deviation of 15 (15.470).

Welch's approximation for the t' statistic was computed using the statistics (mean, variance, and number of observations) derived from the clinical case scores of the two populations (UCLA patient sample, 66 cases, and NPS patient sample, 82 cases) and, as might be expected from even a casual examination, the two populations are statistically distinct from one another (with a t' statistic of 28.388) at virtually any level of statistical significance. [Ref. 310: pp. 298-299] This fact may be a significant factor in the development, construction, and implementation of an oral health index for any population, a factor to be discussed later.

The evaluation of Marcus and his coworkers' direct oral health status index has provided significant findings for subsequent research and development of oral health indexes,

TABLE 13

ORAL HEALTH STATUS INDEX SCORES FOR UCLA PATIENT SAMPLE OF 66 CLINICAL CASES.

Case No.	Index Score	Case No.	Index Score
1	30.95	34	31.58
2	30.65	35	38.73
3	15.72	36	30.13
4	29.13	37	26.29
5	36.83	38	40.26
6	20.90	39	8.40
7	19.55	40	38.55
8	29.00	41	-0.30
9	36.66	42	26.94
10	32.87	43	24.02
11	66.44	44	26.97
12	50.55	45	33.66
13	37.21	46	36.05
14	24.15	47	40.41
15	32.70	48	30.97
16	38.44	49	14.03
17	34.64	50	25.86
18	43.65	51	13.24
19	27.21	52	24.13
20	-5.39	53	12.76
21	7.76	54	25.68
22	38.23	55	3.42
23	30.91	56	20.27
24	27.32	57	9.93
25	23.55	58	10.91
26	32.56	59	7.13
27	26.77	60	24.29
28	34.34	61	26.40
29	37.34	62	40.57
30	34.20	63	16.06
31	10.53	64	20.26
32	26.38	65	13.99
33	9.14	66	16.72

Number of observations = 66
Mean = 26.204
Median = 26.949
Standard deviation = 12.443

TABLE 14

ORAL HEALTH STATUS INDEX SCORES FOR NPS PATIENT SAMPLE OF 82 CLINICAL CASES.

Case No.	Index Score	Case No.	Index Score	Case No.	Index Score
1	63.89	29	99.39	57	100.00
2	82.83	30	85.81	58	100.00
3	96.72	31	86.72	59	100.00
4	96.72	32	83.18	60	100.00
5	93.44	33	99.39	61	100.00
6	90.69	34	69.92	62	100.00
7	40.24	35	96.26	63	100.00
8	99.84	36	96.41	64	100.00
9	99.84	37	96.41	65	100.00
10	83.01	38	93.44	66	100.00
11	77.38	39	22.90	67	100.00
12	79.01	40	72.84	68	100.00
13	75.51	41	99.39	69	100.00
14	99.84	42	98.93	70	100.00
15	93.28	43	63.63	71	100.00
16	91.98	44	91.34	72	100.00
17	99.54	45	98.93	73	100.00
18	96.56	46	99.54	74	100.00
19	93.34	47	99.93	75	100.00
20	96.56	48	100.00	76	100.00
21	79.82	49	100.00	77	100.00
22	88.48	50	100.00	78	100.00
23	75.75	51	100.00	79	100.00
24	97.90	52	100.00	80	100.00
25	66.88	53	100.00	81	100.00
26	70.95	54	100.00	82	100.00
27	78.18	55	100.00		
28	28.30	56	100.00		

Number of observations = 82
Mean = 91.354
Median = 99.391
Standard deviation = 15.470

particularly within the military health services sector. These findings are addressed within the following chapter.

V. FINDINGS AND CONCLUSIONS

A. ORAL HEALTH STATUS INDEX

The oral health status index, as developed by Marcus et al. [Refs. 285-293], and currently configured, appears inadequate for use as a Navy oral health status index for a number of reasons.

1. Sampling Problems

When evaluating the applicability of the oral health status index for assessing the oral health status of military personnel, a significant problem arises as a result of the sample population selected for its development.

The population, from which the patient sample was drawn, was composed of patients examined and treated at the Veterans Administration Hospital, Los Angeles; Public Health Service Hospital, Los Angeles; and University of California at Los Angeles Dental School.

This patient sample is significantly different from that encountered within the patient population served by the Navy, as can be seen by examining the data presented within Tables 13 and 14. As noted previously, the two populations are statistically distinct from one another, as determined by Welch's approximation for the t' statistic, at virtually any level of statistical significance (t' statistic of 28.388). [Ref. 310: pp. 298-299]

The fact that dental health professionals apparently use different factors (variables) in assessing the oral health status of different populations was pointed out by Marcus et al. and Koch et al. during development of the direct adult oral health status index and the children's oral health status index, respectively. [Ref. 285-293]

As can be seen by examination of the direct oral health status index adult examination form in Figure 4, and the children's oral health status index examination form in Figure 5, the variables comprising each index, as well as their clinical importance (Beta-coefficients (β) or weights), are different. The direct adult oral health status index considers missing teeth (β = -3.13), free ends (β = -3.13), replaced teeth (β = +0.61), decayed teeth (β = -1.79), periodontal pockets 4-6 mm (β = -0.73), and periodontal pockets 6+ mm (β = -3.02). [Ref. 292: p. 729] The children's oral health status index, however, considers missing teeth, anterior primary (β = -2.27), posterior primary (β = -4.55), and all secondary (β = -4.55); decayed teeth, anterior primary (β = -1.22), posterior primary (β = -2.24), and all secondary (β = -.2.24); occlusion (β = -4.38); and abnormal position (β = -1.73). [Ref. 293: p. 39]

In a situation where the population of interest is significantly different from that for which the index was developed, as it is in this case, the applicability of the index must be considered questionable.

DIRECT ORAL HEALTH STATUS INDEX
ADULT EXAMINATION FORM

PATIENT I.D.: _____ **DATE:** _____

BIRTH DATE: _____ **EXAMINER:** _____

		Tooth #	Teeth	Bone Loss 4-6mm	Bone Loss 6+mm
UPPER ARCH	POSTERIOR	1	M R D N C		
		2	M R D N C		
		3	M R D N C		
		4	M R D N C		
		5	M R D N C		
	ANTERIOR	6	M R D N C		
		7	M R D N C		
		8	M R D N C		
		9	M R D N C		
		10	M R D N C		
		11	M R D N C		
	POSTERIOR	12	M R D N C		
		13	M R D N C		
		14	R D N C		
		15	R D N C		
		16	M R D N C		
LOWER ARCH	POSTERIOR	17	M R D N C		
		18	R D N C		
		19	R D N C		
		20	M R D N C		
		21	M R D N C		
	ANTERIOR	22	M R D N C		
		23	M R D N C		
		24	M R D N C		
		25	M R D N C		
		26	M R D N C		
		27	M R D N C		
	POSTERIOR	28	M R D N C		
		29	M R D N C		
		30	R D N C		
		31	R D N C		
		32	M R D N C		

LEGEND:
M = missing
R = replaced
D = decayed
N = normal
C = space closure
FE = free end

TALLY

	#	Coeff	Subtotal
MAXIMUM			100.00
Missing		-3.13	
Free Ends		-3.13	
Replaced		+0.61	
Decayed		-1.79	
4-6 mm		-0.73	
6+ mm		-3.02	
INDEX			

Figure 4. Direct oral health status index adult examination form.

CHILDREN'S ORAL HEALTH STATUS INDEX
EXAMINATION FORM

PATIENT I.D. _____ **DATE:** _____

BIRTH DATE: _____ **EXAMINER I.D.** _____

OCCLUSION:
CROSSBITE • 1° ANT. ____ 1° POST. ____ 2° ANT. ____ 2° POST. ____ NONE ☐
OVERBITE • EXCESS (>4mm) ____ OPEN (< -1) ____ NA ☐ NORMAL (-1 to 4mm) ☐ TOTAL
OVERJET • EXCESS (>4mm) ____ ABSENT (< 1mm) ____ NA ☐ NORMAL (1-4mm) ☐ OCCLUSAL CHECKS ____
PROFILE • CONCAVE ____ STRAIGHT/CONVEX ☐
LIPS • INCOMPETENT ____ NORMAL ☐

ABNORMAL POSITION:
SPACE LOSS UPPER ANT. ____ UPPER POST. ____ LOWER ANT. ____ LOWER POST. ____ NA ☐
CROWDING 1° = UPPER ANT ____ UPPER POST. ____ LOWER ANT ____ LOWER POST ____ NA ☐
CROWDING 2° = UPPER ANT. ____ UPPER POST. ____ LOWER ANT. ____ LOWER POST ____ NA ☐

		PRIMARY			PERMANENT		
		AP	Teeth	Tooth #	Tooth #	Teeth	AP
UPPER ARCH	POST				2	M D S	
					3	M D S	
			M D S	A	4	M D S	
			M D S	B	5	M D S	
	ANT		M D S	C	6	M D S	
			M D S	D	7	M D S	
			M D S	E	8	M D S	
			M D S	F	9	M D S	
			M D S	G	10	M D S	
			M D S	H	11	M D S	
	POST		M D S	I	12	M D S	
			M D S	J	13	M D S	
					14	M D S	
					15	M D S	
LOWER ARCH	POST				18	M D S	
					19	M D S	
			M D S	K	20	M D S	
			M D S	L	21	M D S	
	ANT		M D S	M	22	M D S	
			M D S	N	23	M D S	
			M D S	O	24	M D S	
			M D S	P	25	M D S	
			M D S	Q	26	M D S	
			M D S	R	27	M D S	
	POST		M D S	S	28	M D S	
			M D S	T	29	M D S	
					30	M D S	
					31	M D S	

LEGEND:
M = Missing
D = Decayed
S = Sound
AP = Abnormal Position (rotated, displaced, tipped, ankylosed, ectopic)

TALLY

		#	Coeff	Subtotal
MAXIMUM				100.00
M	1° Ant		-2.27	
	1° Post 2° All		-4.55	
D	1° Ant		-1.22	
	1° Post 2° All		-2.24	
Occlusion			-4.38	
Abnormal Position			-1.73	
INDEX				

Figure 5. Children's oral health status index examination form.

2. Statistical Problems

There appear to be a number of problems, primarily related to the use of statistical procedures and manipulations, involved in the oral health status index's development, construction, and application, that render the validity of the index questionable.

First, although the stated purpose for the development and construction of the oral health status index was to identify "the decision factors that correspond, in a statistical sense, to the quantitative framework of the dentists' judgments," Marcus and his coworkers introduced potential bias by assigning clinical "severity weights" to all variables (See Figure 6).

These clinical severity weights were not made available to the dentists performing the paired preference experiment but were used to transform the raw data within each clinical case prior to use in the BMDP preference pairs statistical software program. [Ref. 285: pp. 28-29]

The resulting Beta-coefficients (clinical weights), consequently, reflected not only the interactions between the dentists' preferences and the variables involved in each of the cases, but a systematic bias introduced by transforming the raw variables through multiplication by the assigned clinical severity weights.

Second, although the final adult oral health index uses only the total number of teeth for each of the clinical categories (variables), during the development and construction

CASE ABSTRACTION FORM

Case No._____ Age_____ Sex: Male_____ Female_____

Race: American Indian (1)_____ Health: Diabetes 3
Black (2)_____ Cardiovascular 1.5
Oriental (3)_____ Rheumatic Fever 1
Spanish (4)_____
White (5)_____
Other (Specify) (6)_____ (_____)

TMJ		Occlusion		Crossbite		Gingivitis	
Sounds	1	Class I	1	Anterior	3	Acute	0
Dislocation	1.5	Class II	3	Posterior	1	Chronic	0
Function Loss	5	Class III	3				
Pain	7						

		Upper		Lower		
		Ant.	Post.	Ant.	Post.	Total
Extruded	Severe	1	1	1	1	1
Abrasion	Severe	1	1	1	1	2
Fracture	Mild	1	1	1	1	3
	Severe	5	3	6	3	4
	Periapical	4	3	5	3	5
Unerupted		3	1	3	1	6
Missing	Total*	1	1	1	1	7
	Cuspid/1st Molar	2	1	2.5	1	8
	Free Ends	0	4	0	5	9
	3rd Molar	0	0	0	0	10
Tipped Teeth		2	1	1.5	1	11
Virgin Decay	Mild	1	1	1	1	12
	Severe	3	2.5	3.5	2.5	13
	Pulpal	6	5.5	7	5.5	14
Recurrent Decay	Mild	1.5	1.5	1.5	1.5	15
	Severe	4	3.5	4.5	3.5	16
	Pulpal	6	5.5	7	5.5	17
Fillings (Direct)	Serviceable	1	1	1	1	18
	Defective	4	4	4	4	19
Restorations (Cast)	Serviceable	1	1	1	1	20
	Defective	6	6	6	6	21
Endodontics	Serviceable	1	1	1	1	22
	Defective	6.5	6	6.5	6	23
Tumors		1	1	1	1	24
Replaced	Fixed Pontics	1	1	1	1	25
	Removable	3.5	2	3	2.5	26
Calculus		1	1	1	1	27
Bone Loss	Mild (<1/3)	1.5	1.5	1.5	1.5	28
	Moderate (1/3-1/2)	4.5	4.5	4.5	4.5	29
	Severe (>1/2)	8	8	8	8	30
Pockets	0 to 1.9 mm	1	1	1	1	31
	2 to 3.9 mm	1	1	1	1	32
	4 to 5.9 mm	4	4	4	4	33
	6+ mm	6	6	6	6	34
Mobility	Class I	2	2	2	2	35
	Class II	5	5	5	5	36
	Class III	10	10	10	10	37

*Total does not include wisdom teeth.

Figure 6. Clinical severity weights as assigned by Marcus et al. during development of the oral health status index.

of the index, "most of the adult variables were transformed from absolute numbers to percentages for inclusion into the paired preference program." [Ref. 285: p. 28]

Beta-coefficients (clinical weights) of index variables were generally derived from the use of three different determinants: (1) the number of teeth within each clinical category, divided by the total number of teeth present in the patient's mouth, and expressed as a percentage; (2) the variables' respective clinical "severity weights", and (3) the preferences of the dentist consultants.

The use of the resultant Beta-coefficients within the final adult oral health index, however, is predicated on only the total number of teeth within each of the clinical categories. Neither the percentages of teeth present nor assigned "severity weights" are involved in calculation of the index.

The problem in terms of the index's validity, lies in the fact that the index is being used to measure some factor other than that for which it was developed.

Third, the clinical case scores, against which all subsequent multiple regressions were performed in developing the oral health status index, were obtained by processing the clinical cases containing 18 variables through the BMDP preference pairs program. [Ref. 289: p. 77] Subsequent multiple regressions performed in attempting to develop a model for the oral health status index, regardless of which of the clinical variables were involved, or the number of clinical variables

used, all had one fact in common. All equations were regressed against the same clinical case scores, those obtained during the original regressions of the equation containing 18 variables. Thus, the clinical scores used in all subsequent regressions in the development of the model for the oral health status index were not a function of the variables in the equation being regressed, which would have made the equations internally valid, but were a function of a different regression equation, one composed of 18 variables.

Fourth, the choice of variables to be included within the final oral health index was based on somewhat arbitrary selection by Marcus and his coworkers rather than on purely statistical evidence. For example, the five variables selected for inclusion within the final index were not those variables with the greatest statistical significance, as suggested by t-values, but were the result of the researchers reaching a "strong consensus" on which variables should have been included within the final index. [Ref. 285: p. 78]

Fifth, there were a number of statistical manipulations performed, considered by Marcus and his coworkers to be "extremely informative", which appeared to be of questionable value.

For example, each of the total variables (the sum of the four positional variables) "was regressed on its locational

subcomponents (the four positional variables) ... in order to find more expedient ways to capture the quantitative information held in the whole variable." Recalling that the total variable of each clinical category was merely the sum of its positional components multiplied by arbitrarily assigned clinical severity weights, the value of such a regression in determining which variables should have been retained and which should have been discarded was questionable. This was particularly true when emphasis was put on statistics such as Beta-coefficients, t-values, and R-square values, resulting from such statistical procedures.

There were enough of these problems in the development and construction of the oral health status index that the statistical validity of the index should have been considered questionable.

B. PROBLEMS ENCOUNTERED IN DEVELOPMENT OF A MODEL

The work described in the previous chapter was accomplished primarily to resolve a number of the problems inherent in Marcus and his coworkers' oral health status index described above. A number of findings of interest resulted from this exercise.

1. Sampling Problems

Since the same clinical cases and initial data base were used, the sampling problems described above will continue until an applicable population is sampled and a new data base created.

2. The BMDP Preference Pairs Program

The BMDP preference pairs program [Ref. 300-301] appears to be a powerful statistical software program. As a precautionary note, however, what it does, and how it is accomplished, need to be understood by those using it.

Initial outputs of BMDP preference pairs programs were at times confusing. As early runs were reviewed, particularly those runs with less than 43 variables, it was noted that the program had predicted zero scores for every clinical case for some dentists, with subsequent zero correlations between those dentists and all other dentists, including themselves.

Further examination of the output printouts, however, revealed several consistent findings in these situations.

First, the model developed for each dentist (producing zero scores and correlations) through the multiple regression phase of the preference pairs program consistently had only one variable. Although the variable could be any of the possibilities for that particular set (208, 43, 14, or 7 variables), there was only one variable in the final step (always the first step).

Second, for every case within the data base, scores based on those particular dentists' judgments were always zero.

Third, correlations between case scores were always zero for any clinical case which involved that particular dentist.

Cases were also found, however, that revealed the first finding (only one variable), but failed to produce the problems encountered within the second and third findings (zero scores and zero correlations between scores, respectively).

Subsequent experience with the BMDP preference pairs program revealed that this particular problem could be alleviated by changing the t-values used within the multiple regression phase of the program. Default t-values for the program were 2.0 (TENTER = 2.0, TREMOVE = 2.0) [Ref. 300: p. 553] but were capable of being altered as desired.

Subsequent runs of the program included t-values of 2.0, 1.0, and 0.0 (TENTER = 2.0, 1.0, and 0.0; TREMOVE = 2.0, 1.0, and 0.0) and provided more interesting results. Since the final model, containing seven variables, was of primary interest in development of the index, all three runs of the preference pairs program (TENTER-, TREMOVE-values 0.0, 1.0, and 2.0) were provided in Appendices I, J, and K, respectively.

The effects of altering the t-values (TENTER, TREMOVE) within the BMDP preference pairs program can be seen by examining Appendices I, J, and K. As can be seen, multiple effects resulted.

As the t-values (TENTER, TREMOVE) were increased from 0.0 to 2.0, the number of steps, and consequently the number of variables, within the multiple regression portion of the program generally decreased.

On the other hand, as the t-values (TENTER, TREMOVE) were increased from 0.0 to 2.0, the R-squared values generally,

but not always, decreased. Of particular interest, the two dentists (judges 2 and 5) for whom the preference pairs program yielded zero correlations when the t-values (TENTER, TREMOVE) were 2.0, revealed decreased R-squared values when the t-values (TENTER, TREMOVE) were increased from 0.0 to 1.0, but increased R-squared values when the t-values (TENTER, TREMOVE) were increased from 1.0 to 2.0.

At a minimum, these findings should encourage at least some caution in interpreting and comparing findings from different regression models, or even the same regression model under different levels of significance, evaluated through the BMDP preference pairs program. As noted above, this should be particularly true of t-values (B/SEB), R-squared values, and correlations of dentists' case scores.

C. DEVELOPMENT OF THE MODEL

The initial 208 variables, as originally abstracted from the clinical cases, were obviously too cumbersome to provide a functional oral health index. Factor analysis, as described in the previous chapter, provided a means of grouping certain of these variables into factors (groups of variables) which seemed to provide the greatest explanatory power for the dentists' preferences. This procedure was utilized successively for reductions from 208 variables, to 43 variables (factors), to 14 variables (factors) and to seven variables (factors).

The results of the factor analyses seemed to be rational from a clinical diagnostic point of view as well as from a

statistical point of view. For example, the initial factor analysis procedure (on 208 variables) revealed that the greatest explanation for the dentists' preference could be obtained by using only the total number (the sum of the positional variables) of teeth involved within each clinical variable, a fact that seemed to make clinical sense, particularly when one viewed the somewhat confusing Beta-coefficients for the positional variables obtained earlier (with 208 variables) from the BMDP preference pairs program.

Additionally, as the number of variables (factors) were further reduced to 43, 14, and finally seven variables (factors), the groupings continued to be rational from a clinical diagnostic point of view as well as a statistical point of view. For example, the decay variable ultimately came to include the totals of fractured teeth (mild, severe, and periapical), virgin decay (mild, severe, and pulpal), recurrent decay (mild, severe, and pulpal), defective fillings, defective restorations, and defective endodontics, combinations which seemed to be appropriate clinically. This was true for all of the seven variables (factors) within the final model.

Moreover, other statistics of interest revealed expected movement as the number of variables (factors) were reduced from 208, through 43 and 14, to seven. First, the t-values (B/SEB) of each of the variables (factors) increased as the number of variables decreased. Second, the R-squared values decreased concomitantly with the decrease in the number of

independent variables within each regression model. [Ref. 299: p. 78]

Lastly, the Beta-coefficients of all seven variables (factors) in the final model seemed intuitively and clinically appropriate. The Beta-coefficients of all variables were appropriate in direction in regard to oral health status, with missing teeth, decayed teeth, and abnormal periodontal pocket depths (0-3.9 mm, 4-5.9 mm, and 6+ mm) negatively related to oral health, and replaced teeth positively related to oral health.

D. DEVELOPMENT OF THE INDEX

As noted in the previous chapter, the final model developed, with its seven variables (factors), provided the basis for the oral health status index. This oral health status index, with its variables and Beta-coefficients, was provided within Table 12.

Interestingly enough, with one exception, the variables included within the oral health status index were the same as those selected by Marcus et al. As can be seen by examining the data within Table 15, which compares the final oral health status index developed by Marcus and his coworkers with that developed within this thesis, with the single exception of periodontal pockets, 2-3.9 mm, the variables included are the same. The Beta-coefficients of these variables, however, differ significantly.

TABLE 15

COMPARISON OF ORAL HEALTH STATUS INDEXES DEVELOPED BY MARCUS ET AL. AND WITHIN THIS THESIS.

	Beta-Coefficients	
Variable Name	Marcus et al.	Thesis
Missing Teeth and Free Ends	-3.13	-3.28
Decayed Teeth	-1.79	-0.15
Replaced Teeth	+0.61	+1.34
Periodontal Pockets, 2-3.9 mm*	-----	-1.97
Periodontal Pockets, 4-5.9 mm	-0.73	-2.33
Periodontal Pockets, 6+ mm	-3.02	-3.45

*Not included in the oral health status index of Marcus et al.

With the obvious differences, as noted within the previous chapter, in the use of statistical procedures by Marcus and his coworkers and as used within this thesis, this finding was not unexpected. Neither was it easily explained, however. The differences were manifold and comparisons may be of limited value.

E. SUMMARY OF CONCLUSIONS

First, the oral health status index, as developed by Marcus and his coworkers should not be applied to the general population served by the health benefits program of the uniformed services.

Second, the BMDP preference pairs program is a powerful statistical tool. If used thoughtfully, this program is capable of developing a mathematical model, revealing the importance (statistical weight) attributed to each diagnostic variable within the model, as pairs of clinical cases are assessed to determine their relative levels of oral health.

Third, using the output of the BMDP preference pairs program, and a carefully selected population sample, it is possible to develop an oral health status index that is valid and meaningful for the general population served by the health benefits program of the uniformed services.

Fourth, an oral health index, developed for use within the uniformed services, can be a powerful tool in evaluating unmet needs of eligible benficiaries; assessing the quality of care provided to beneficiaries; determining the effectiveness,

efficiency, and productivity of providers in providing care to beneficiaries; determining optimal allocation of limited health care resources; and in accomplishing a wide range of health care planning activities, including manpower, resource, and budgetary.

There remains, however, essential work to be done. With this in mind, recommendations for future endeavors in developing an oral health status index are addressed within the following chapter.

VI. RECOMMENDATIONS

A. CONTINUE DEVELOPMENT OF ORAL HEALTH INDEX

Further work on development of an oral health index, applicable to the health benefits program of the uniformed services, should be continued. In particular, populations of health care providers, managers, planners, and other decision makers, as well as patients, which reflect the constituency of the health benefits program supported by the Navy need to be sampled adequately to provide a basis for subsequent research and development of an oral health index.

B. EXPAND THE SCOPE OF THE ORAL HEALTH INDEX

The development of the oral health index should be expanded in scope, to include not only the emphasis and priorities of clinical dentists, but to include the priorities and concerns of health care managers, planners, and other decision makers as well.

To be successful in evaluating health care system concerns such as effectiveness, efficiency, and productivity, an oral health index must reflect the values of all significant health care professionals within the health care system, including health care providers, managers, planners, and other decision makers.

For example, the assessment of oral health and treatment needs by health care providers may be a function of the clinical status of oral tissues and structures, general physical health, presence of specific pathologic entities, prognosis, age, sex, race, social status, etc., of the patient. The assessment of oral health and treatment needs by managers, planners, and other decision makers, however, may also involve such factors as the level of needs within the population of interest, the cost of various treatment alternatives, the resources available to cope with such alternatives, current laws and regulations pertaining to the provision of care, etc.

C. EVALUATE METHODOLOGIES USED IN DEVELOPMENT OF INDEXES

A number of basic concerns regarding methodologies employed in the development of oral health indexes need to be resolved.

The manner in which clinical data and information are presented to health care experts needs to be evaluated further. There are a number of experimental effects that may occur as a result of the experimental methodology itself, and where these occur, they need to be identified. A few of the major questions to be addressed include the following:

What are the effects of providing photographs and historical data of patients, from which the sex, race, age, and other social and demographic characteristics may be ascertained, on the assessment of oral health.

Do health care providers, managers, planners, and decision makers give greater importance to certain clinical conditions when they are found within some demographic groups than when they are found in others?

Are certain clinical oral conditions given greater significance when they occur within certain occupational groups, such as aviators or divers, than when they occur within the general population?

Are, or should, different beneficiary groups, such as active military, retired military, or dependent personnel, be evaluated differently in regard to oral health and significance of oral pathology than are other categories of beneficiaries?

D. EVALUATE DECISION MODELS OF HEALTH CARE PROFESSIONALS

Additional research needs to be accomplished to more fully understand the decision making models used by health care providers, managers, planners, and decision makers.

Do dental care providers, for example, base severity of decay on the total number of teeth affected with carious lesions, the ratio of decayed teeth to the total number of teeth present within a patient's mouth, the location of the decayed teeth within the patient's mouth, or some other model of clinical assessment.

How do health care providers, managers, planners, and decision makers measure effectiveness, efficiency, and productivity within the health care system? What are the variables of importance? The change in the overall health

of the individual; the change in the overall health status of a beneficary population; the number of patients treated; the number of procedures accomplished; the resources utilized; or some other factor or group of factors?

E. EVALUATE ALTERNATIVE METHODOLOGIES

Alternative methodologies, such as expert systems should be evaluated for their applicability in developing models of the decision making processes of health care providers, managers, planners, and other decision makers.

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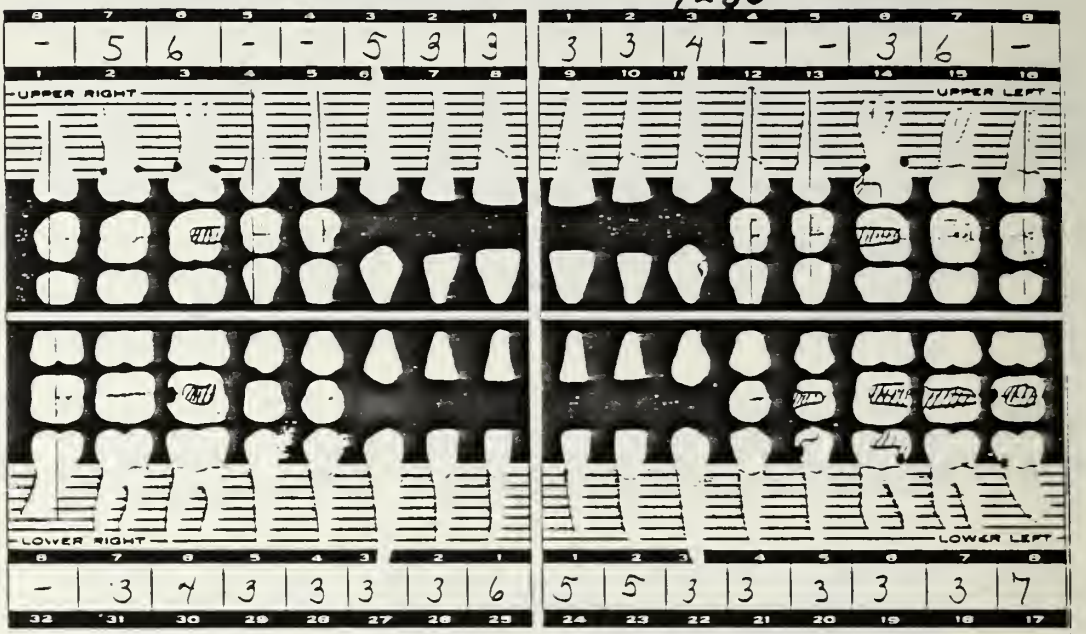
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APPENDIX A

7250



RECOMMENDED TREATMENT

GOLD

SHADE

UPPER

LOWER

mobility	Endo
2	15
1	23
1	24
1	25

CASE#: 7258
AGE: 45
SEX: FEMALE
RACE: WHITE

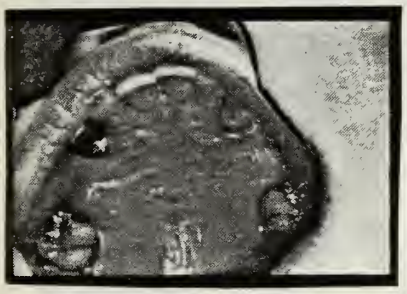
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Case #1



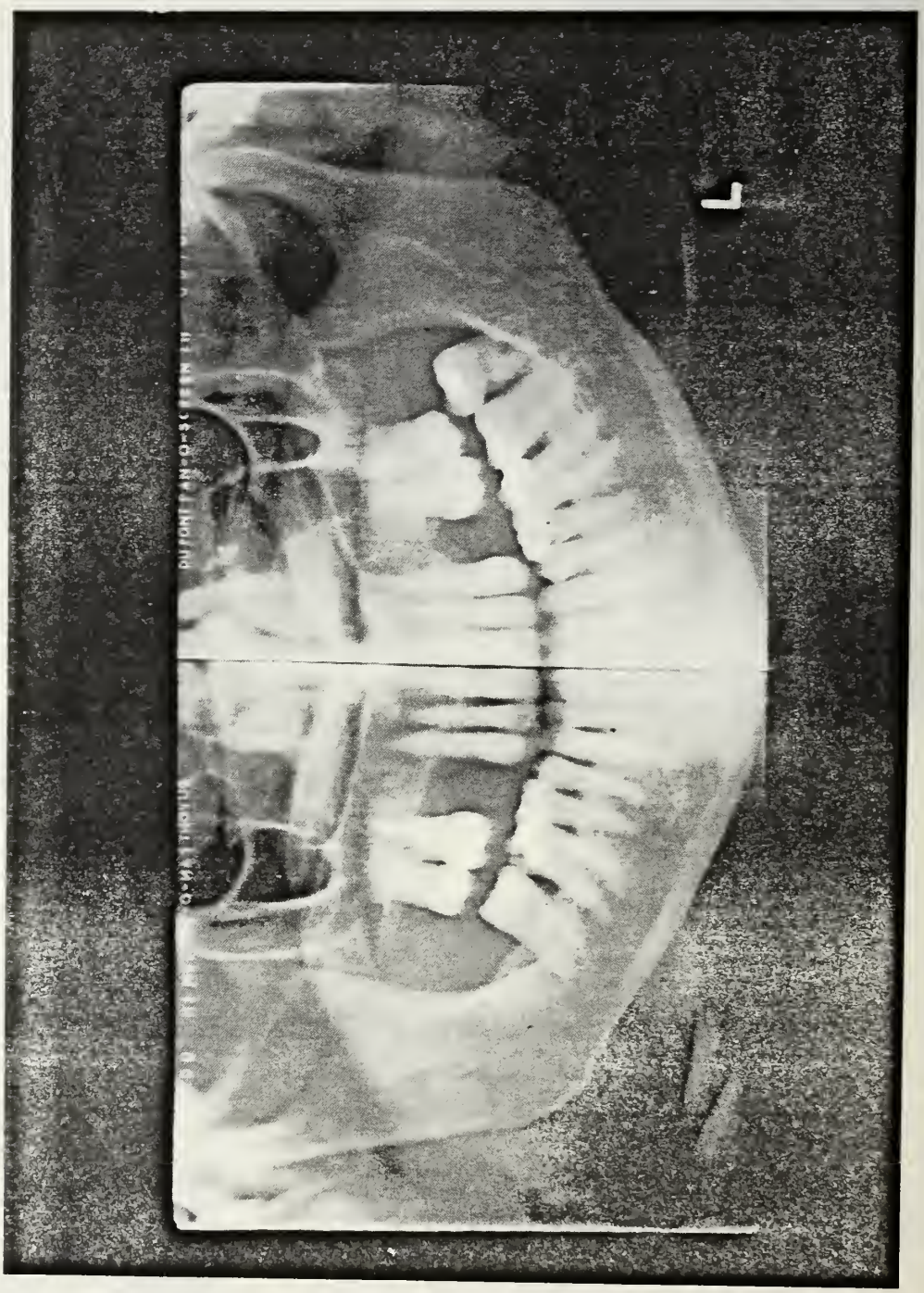








Case #1

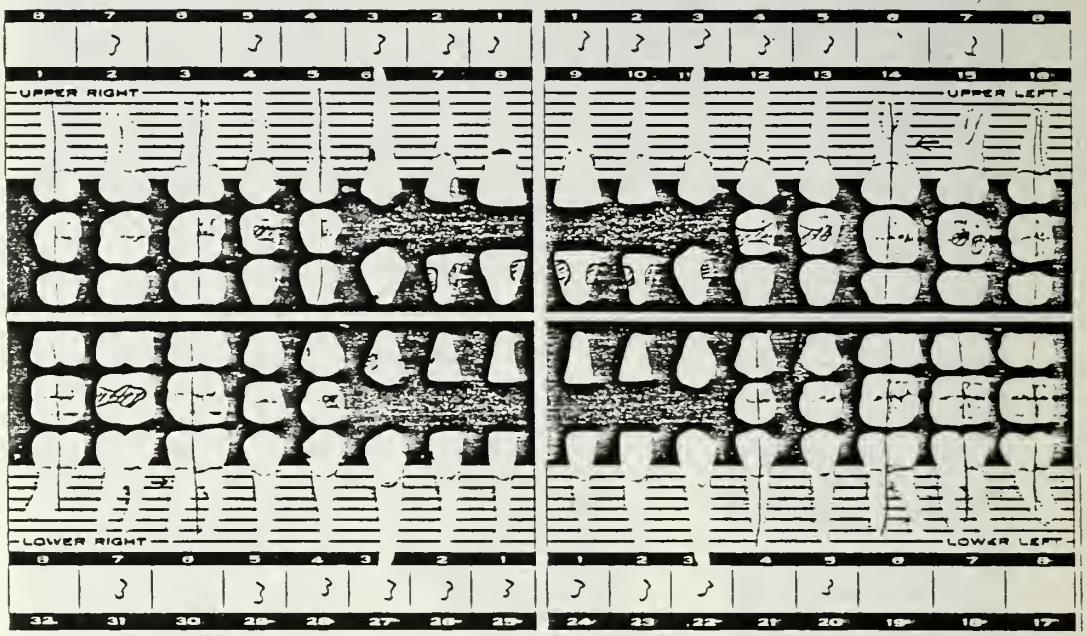


Case #1



Case #1

7311



RECOMMENDED TREATMENT

No mobile teeth

MOLD

SHADE

UPPER

LOWER

CASE#: 7311
AGE: 57
SEX: FEMALE
RACE: WHITE

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Case #2

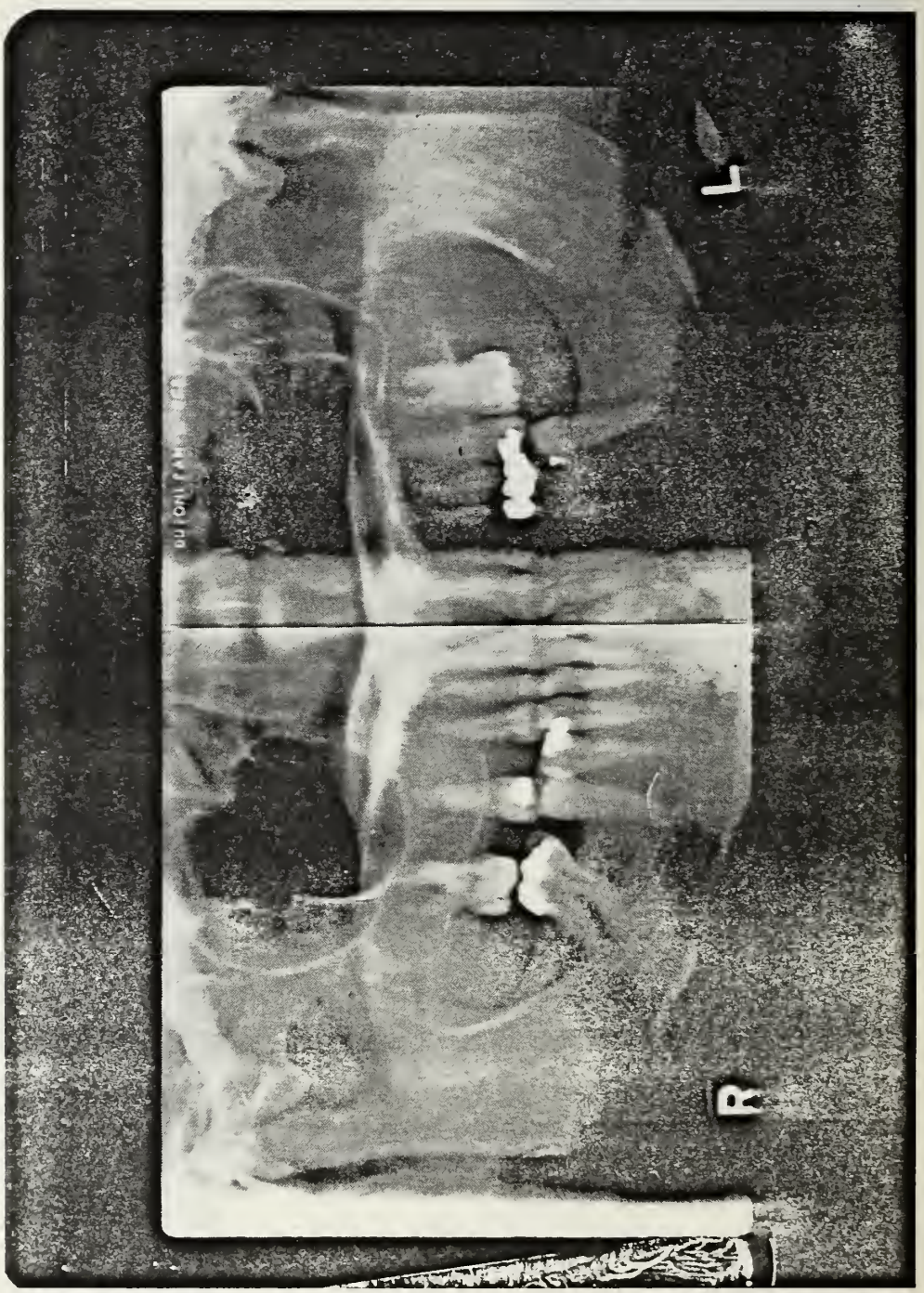








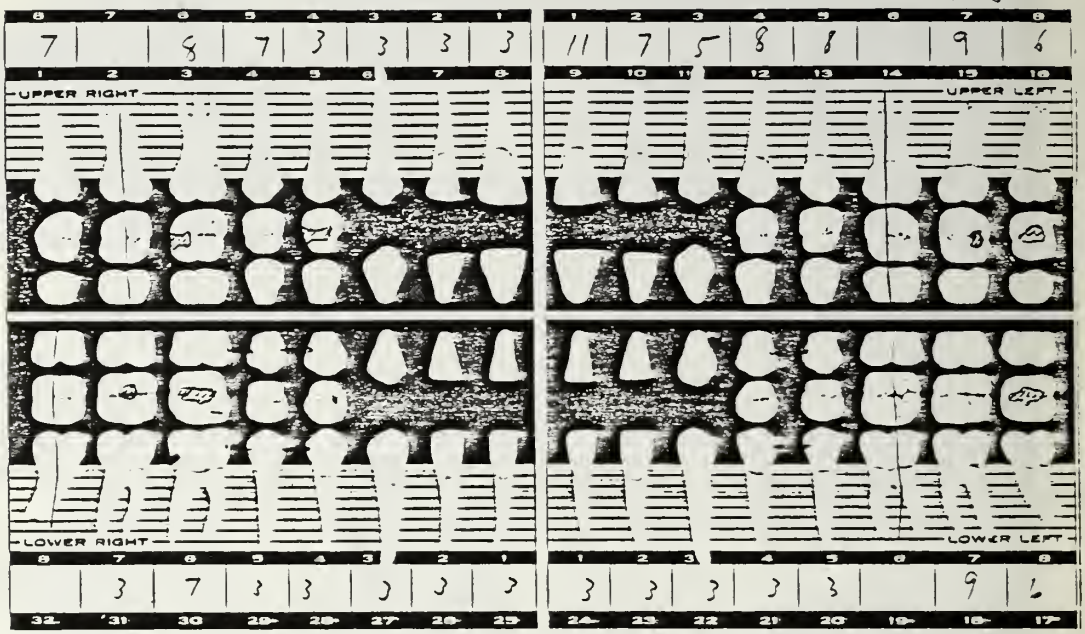
Case #2



Case #2

Case #2

7369



RECOMMENDED TREATMENT

MOLD

SHADE

	Mobility
3	2
8	1
9	3
10	1
12	2
13	1
15	2
17	1
18	2
23	1
24	1
25	1
26	1

UPPER

LOWER

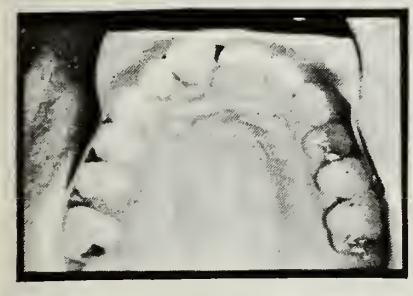
CASE#: 7369
AGE: 45
SEX: MALE
RACE: WHITE

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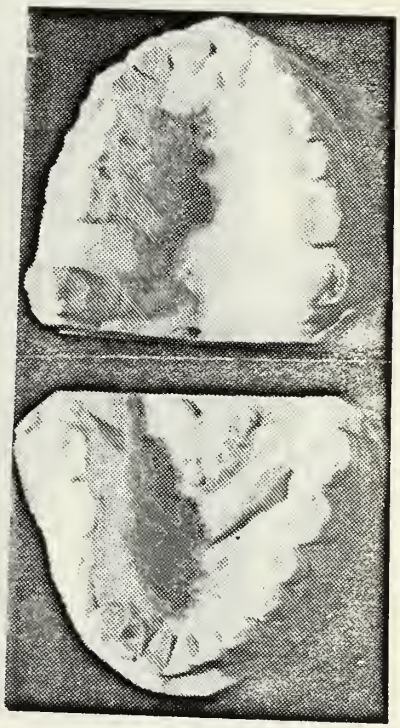
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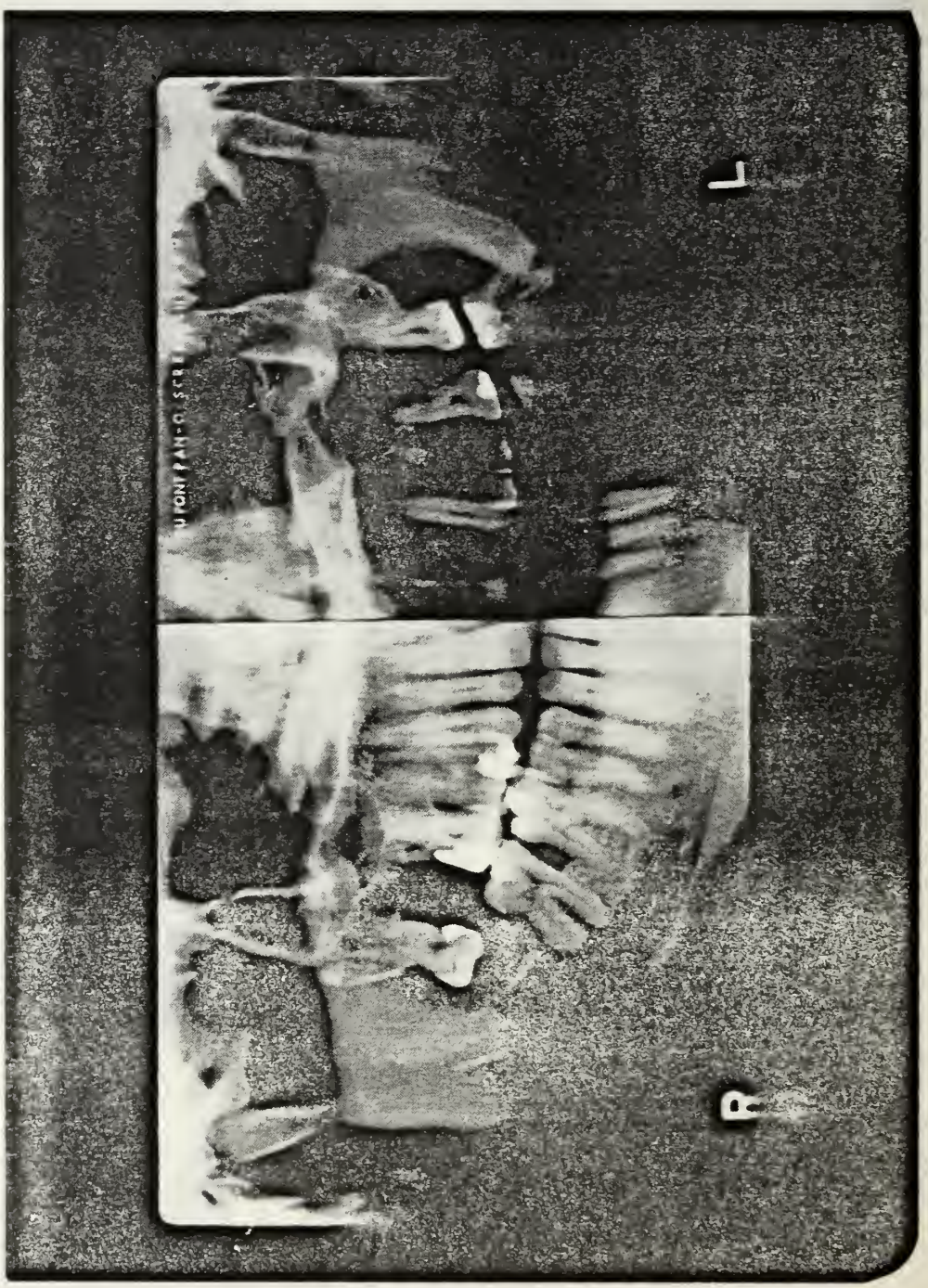








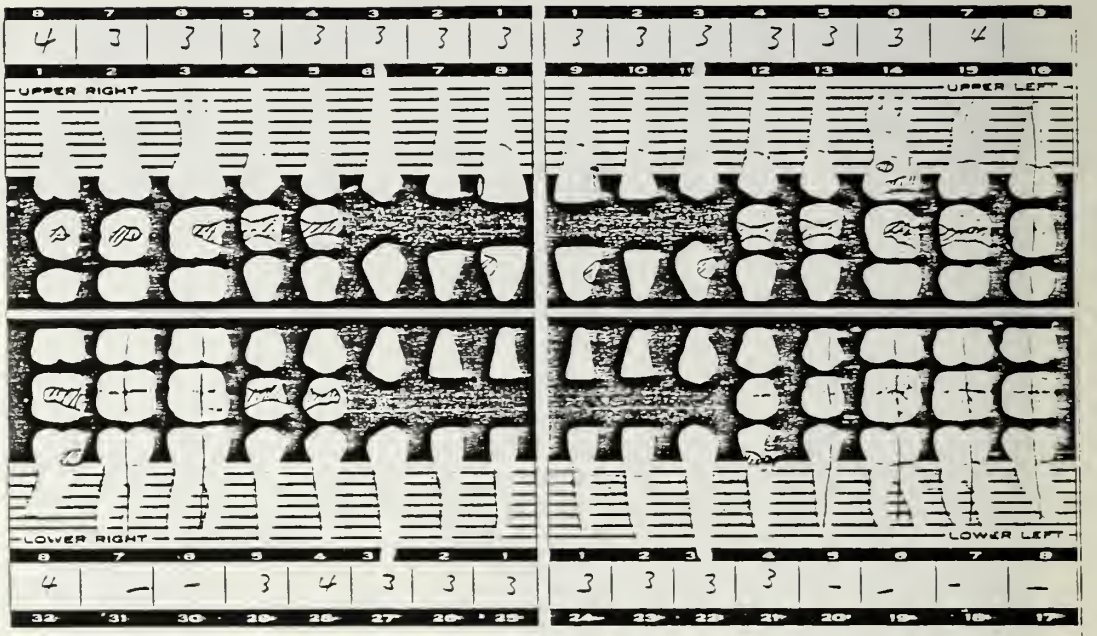
Case #3



Case #3

Case #3

7405



RECOMMENDED TREATMENT

No mobile teeth

MOLD

SHADE

UPPER

LOWER

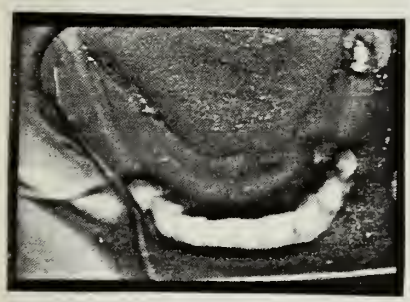
CASE#: 7405
AGE: 42
SEX: FEMALE
RACE: SPANISH SURNAME

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Case #4

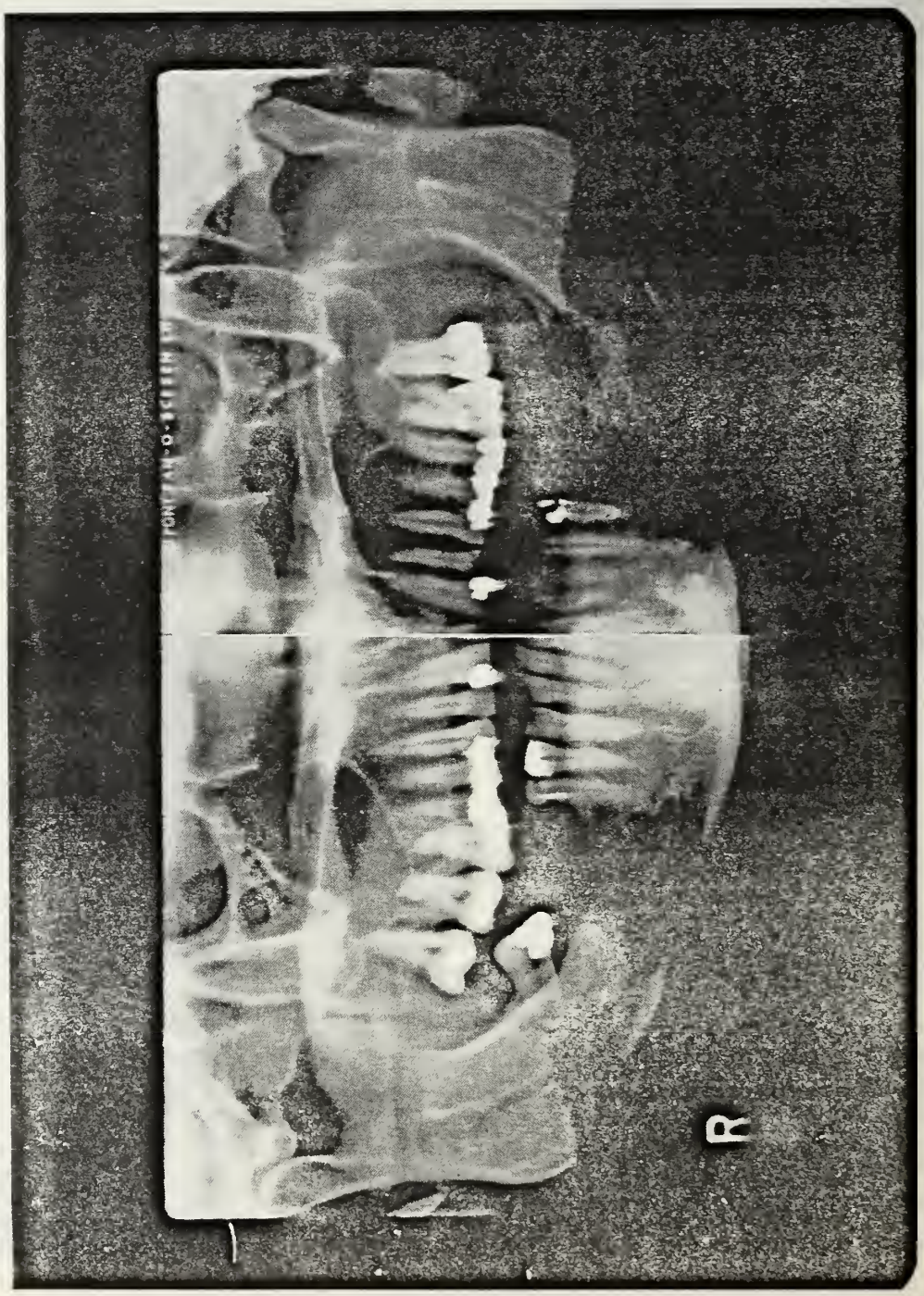




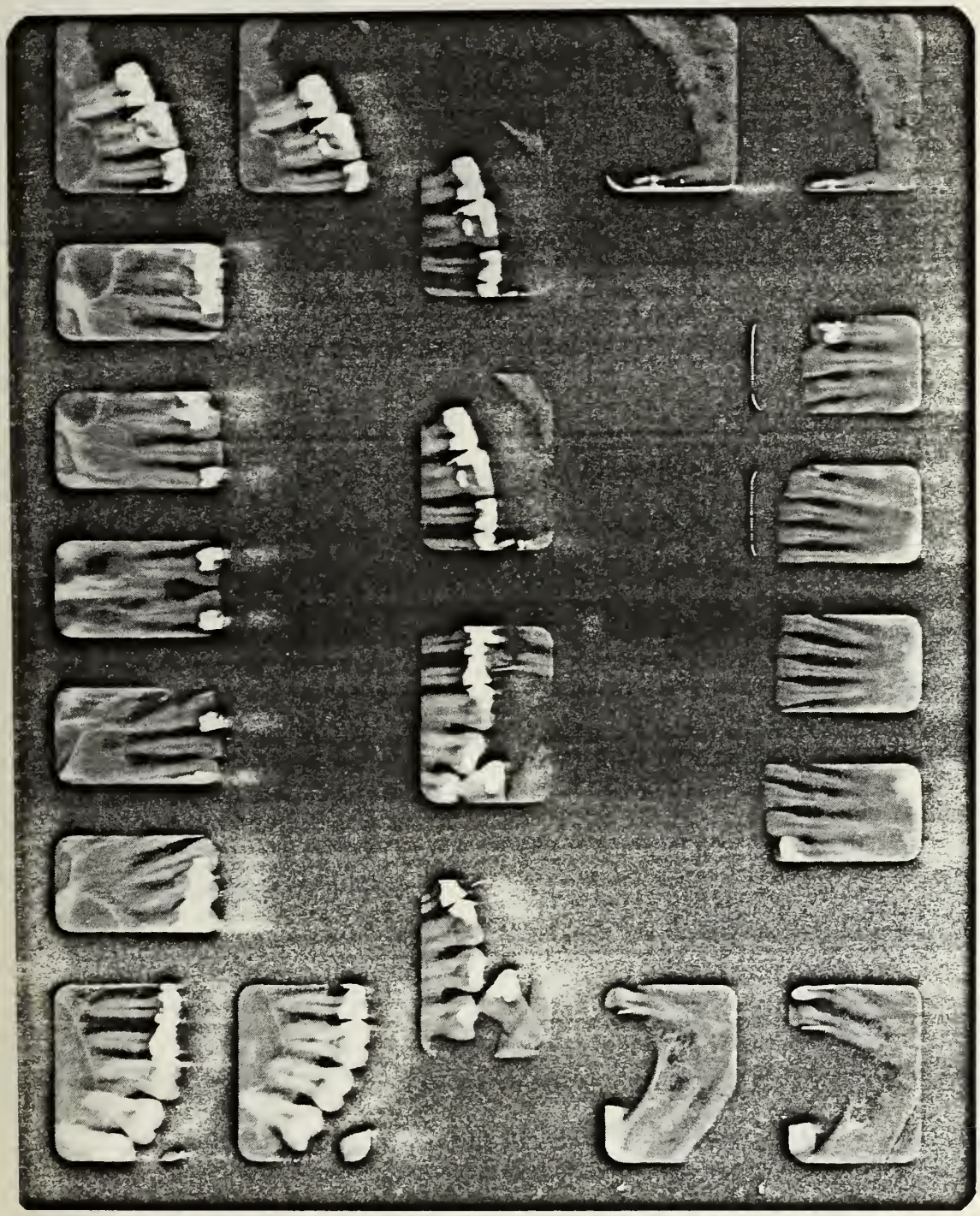




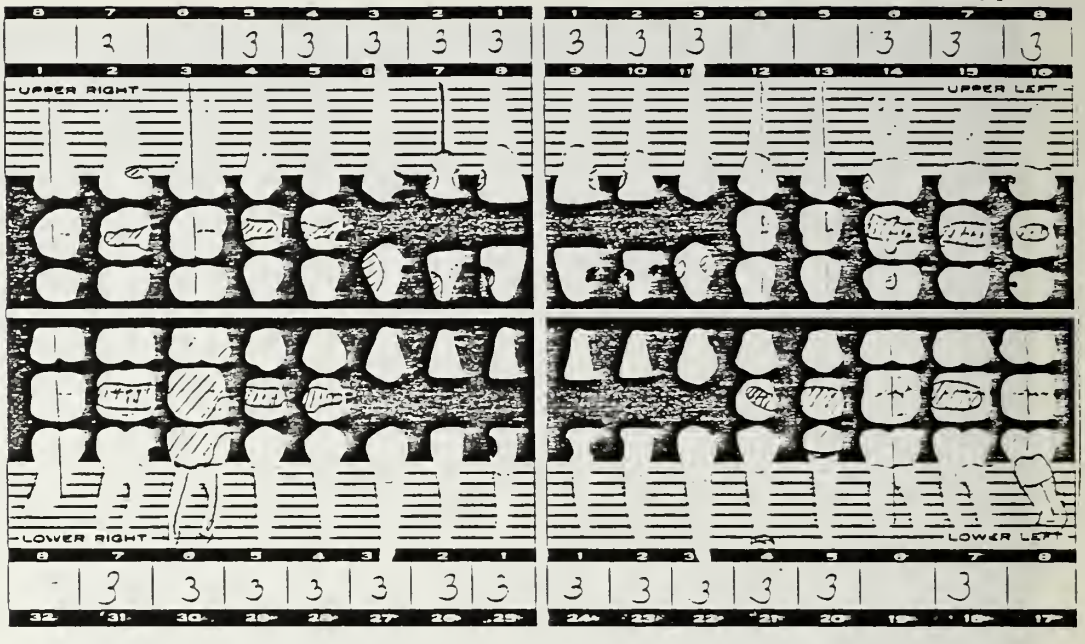
Case #4



Case #4



Case #4



RECOMMENDED TREATMENT

MOLD

SHADE

UPPER

LOWER

#10 missing
#17 impacted
#27 congenitally missing (agenesis)
Permanent restorative options #21 thru #30
(NON-VITAL)

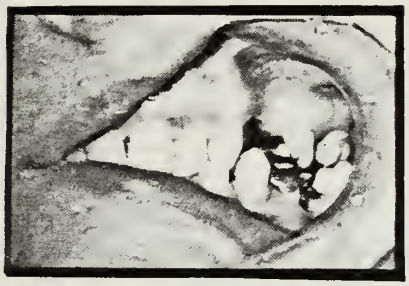
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AGE: 28
SEX: FEMALE
RACE: WHITE

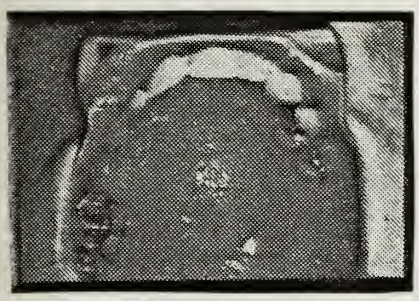
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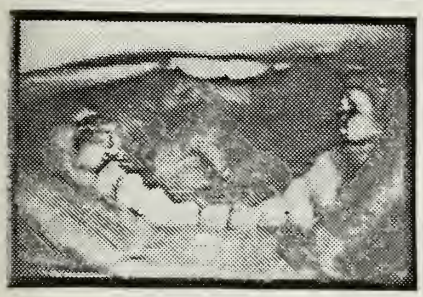
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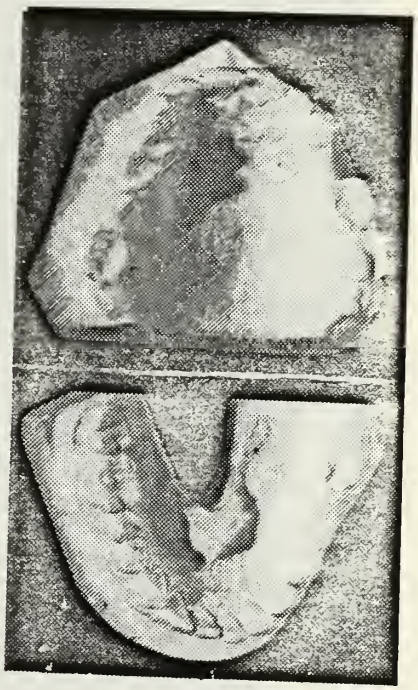




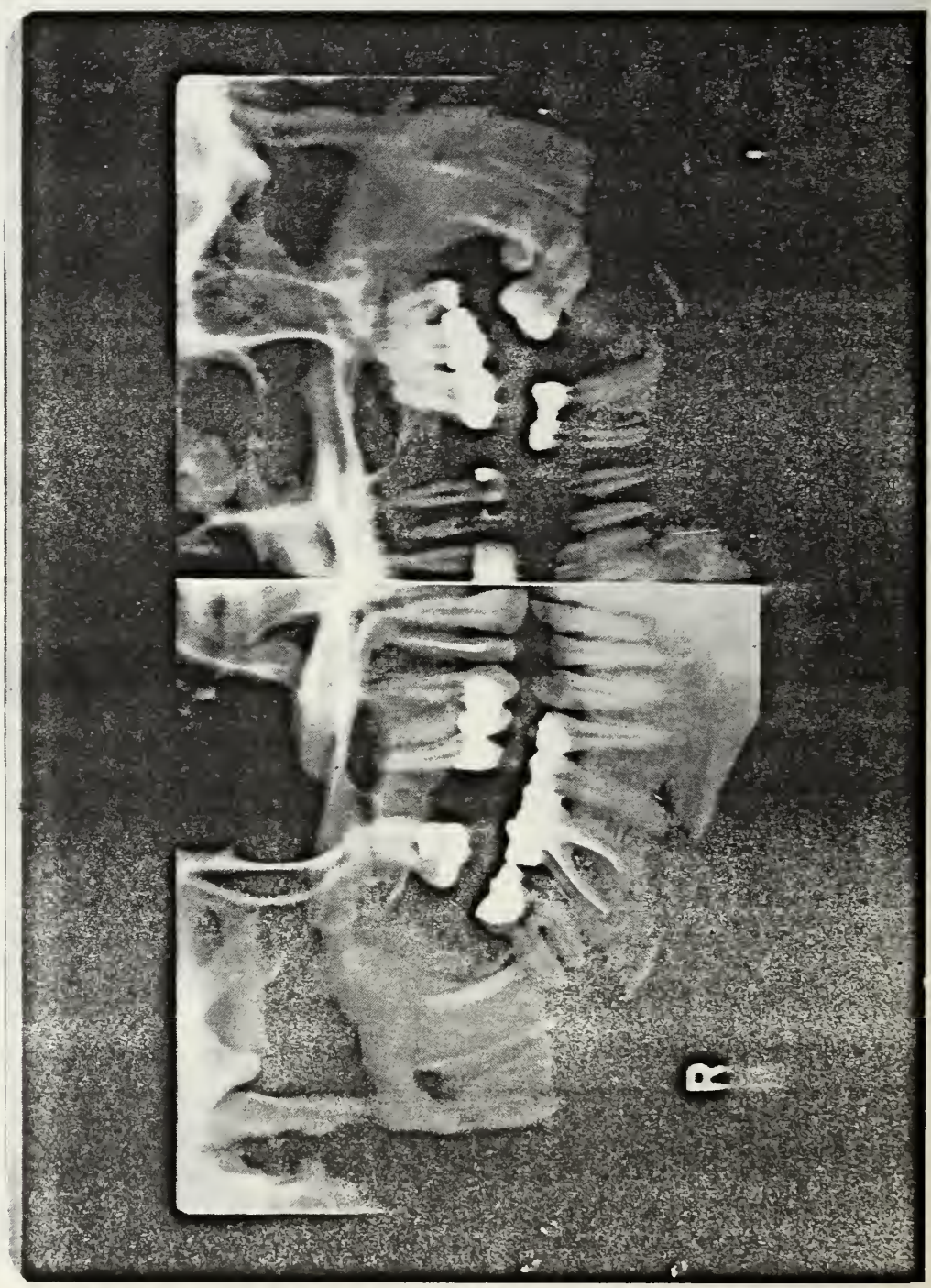




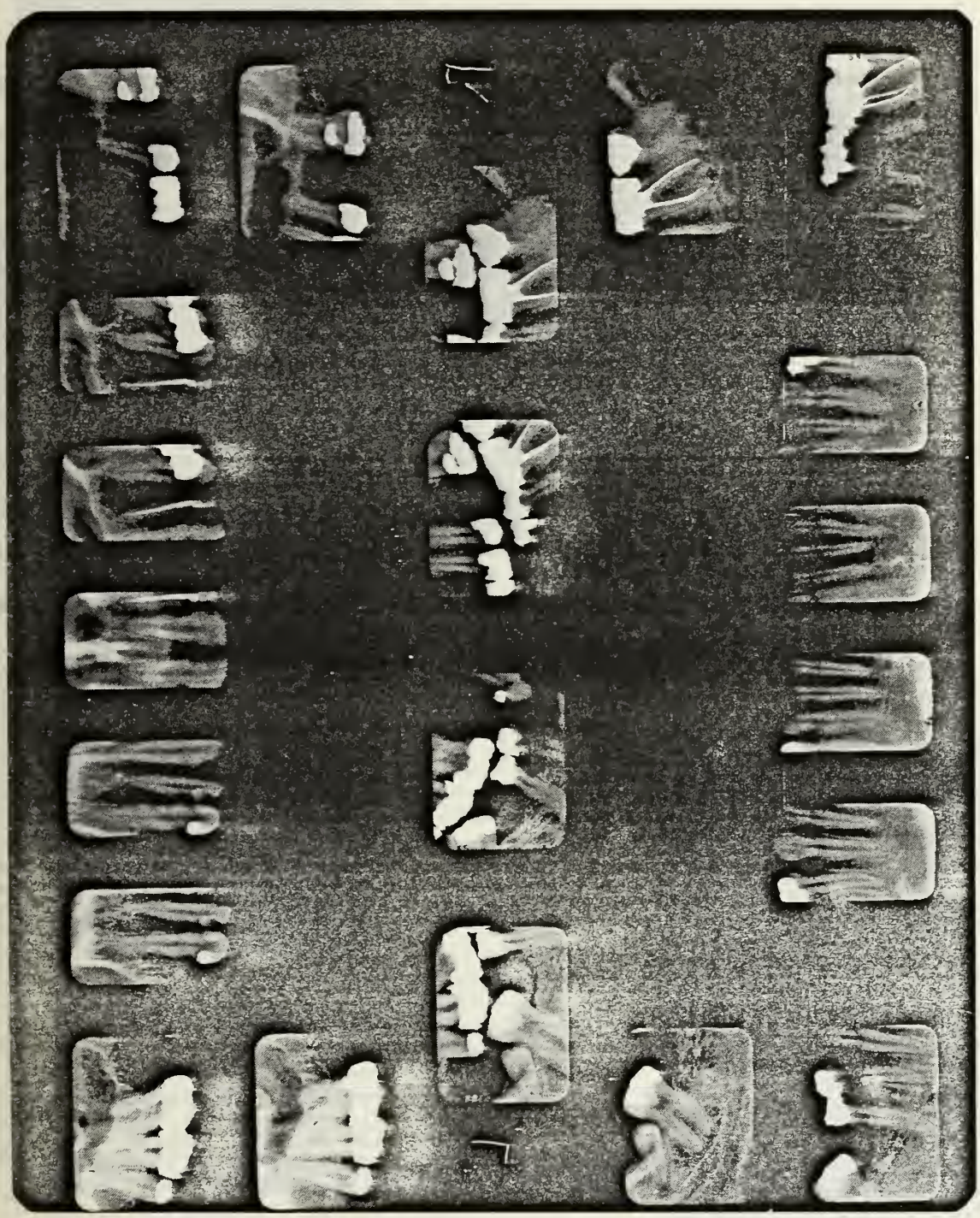




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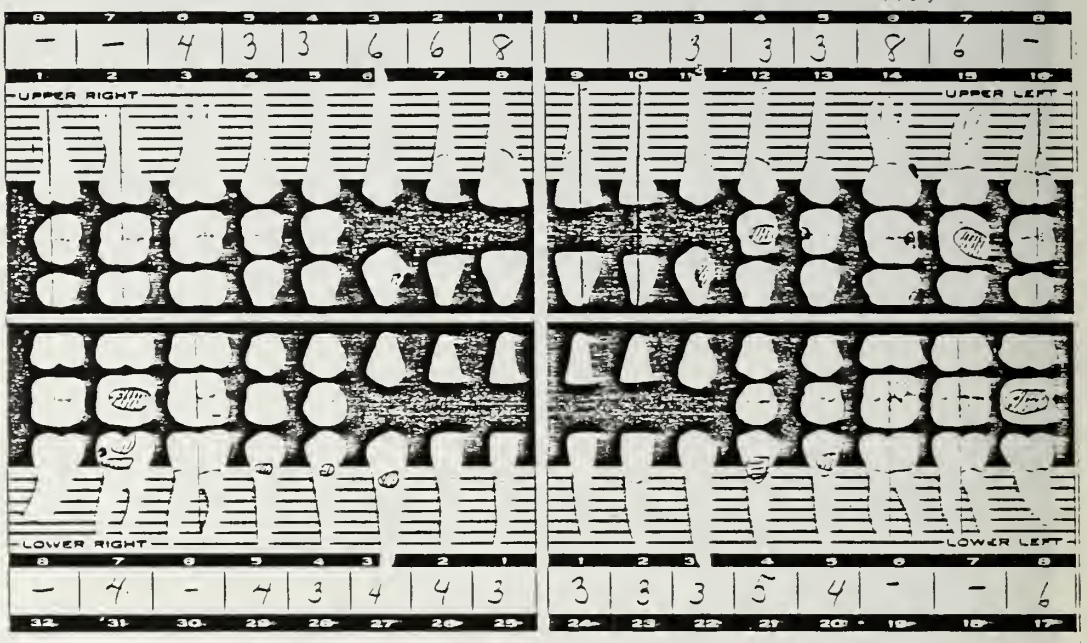


Case #5



Case #5

7428



RECOMMENDED TREATMENT

MOLD

SHADE

attrition 6, 7, 8, 11, 27, 28, 29

Tooth	mobility
7	1
8	1
11	1

#11 - NON-VITAL

UPPER

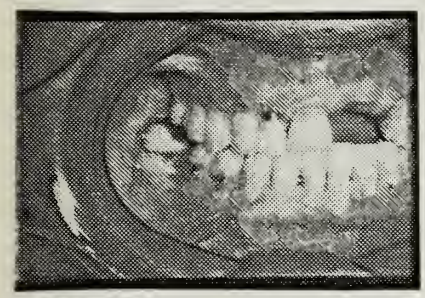
LOWER

CASE#: 7428
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SEX: FEMALE
RACE: SPANISH SURNAME

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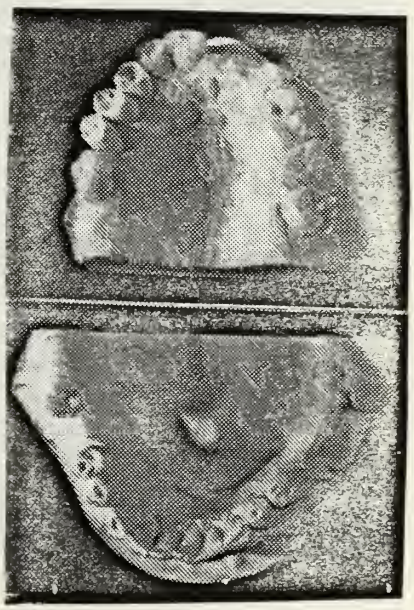
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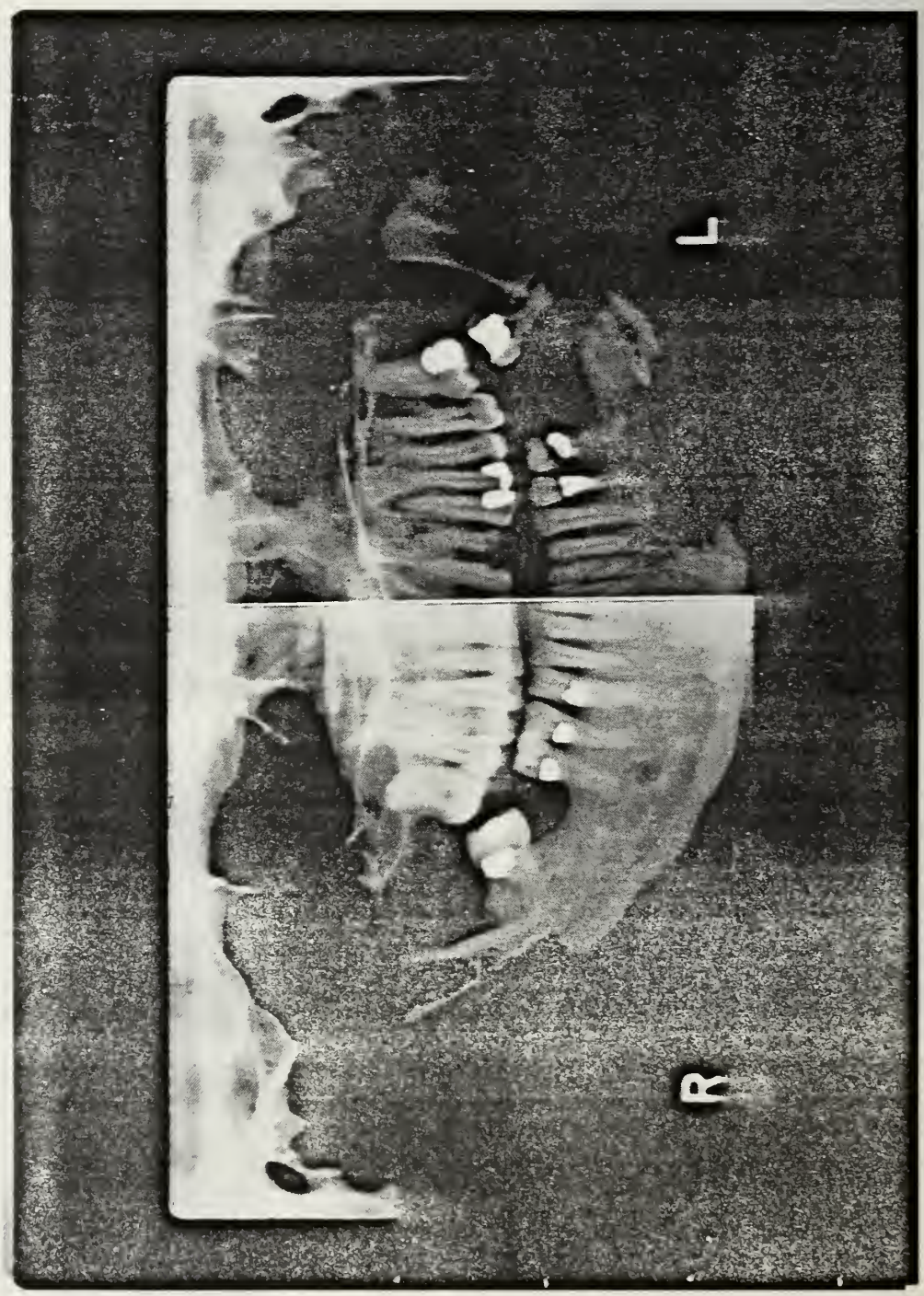




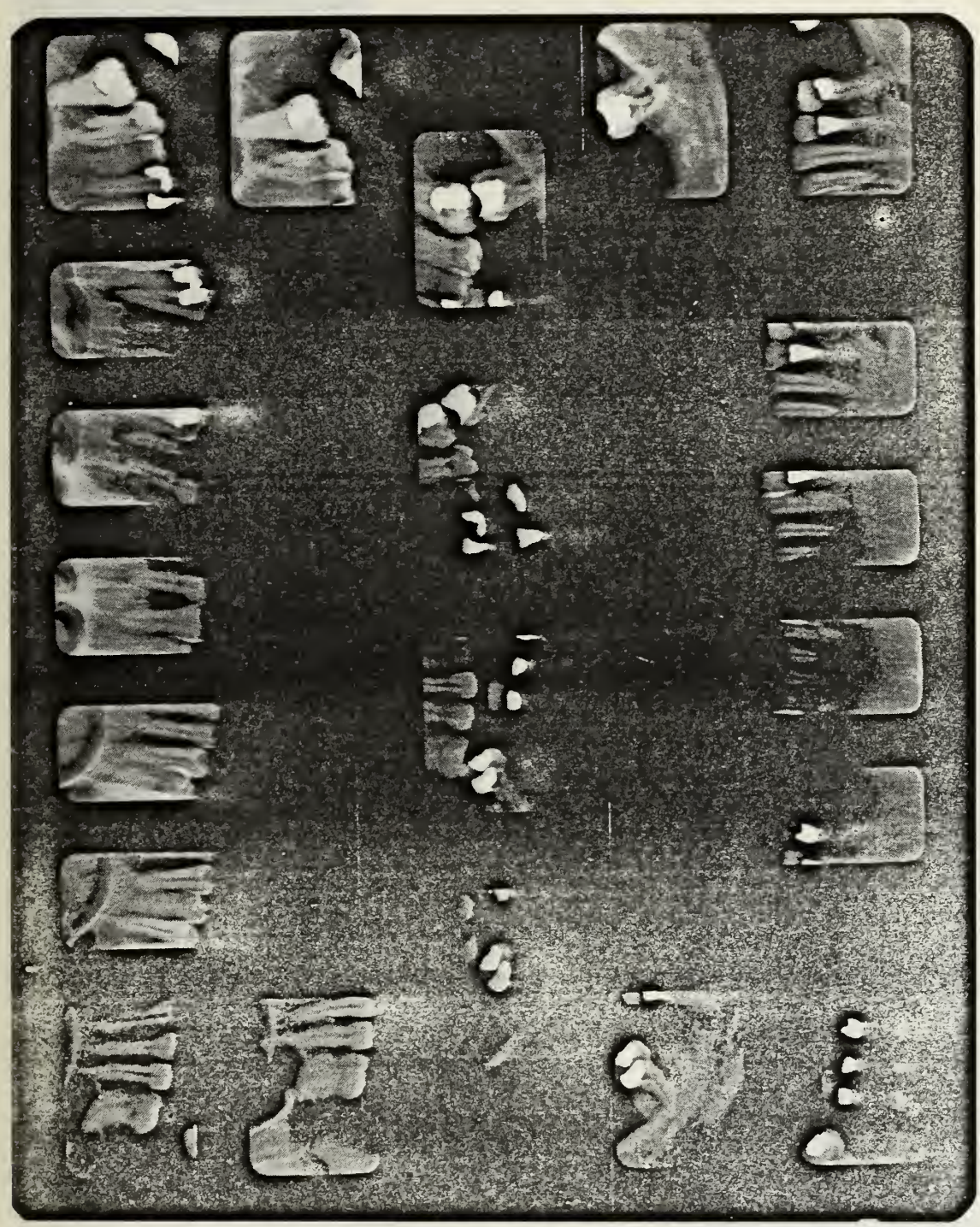




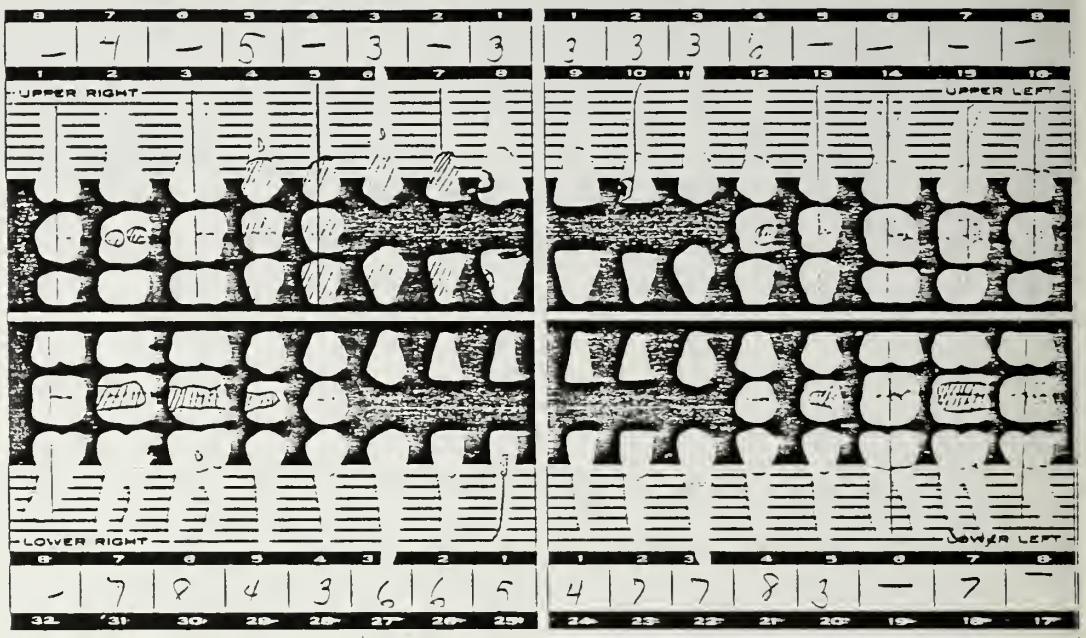
Case #6



Case #6



Case #6



RECOMMENDED TREATMENT

MOLD

SHADE

Crown - Acrylic #2,23

#18 - REMOVING OSTEMS, NON-VITAL

PONTIC #5 REMOVED AFTER RADIOGRAPHS WERE TAKEN. (SEE MODELS).

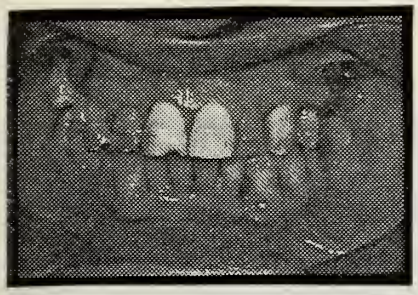
UPPER

LOWER

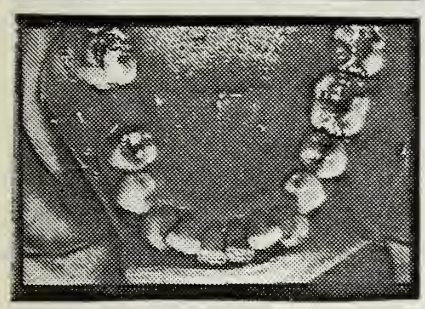
CASE#: 7429a
AGE: 49
SEX: FEMALE
RACE: WHITE

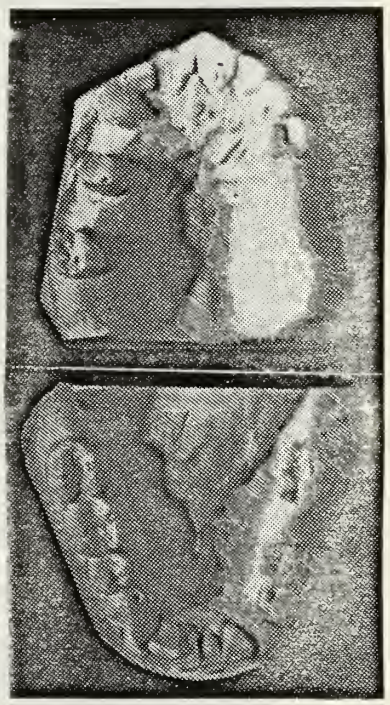
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Case #7

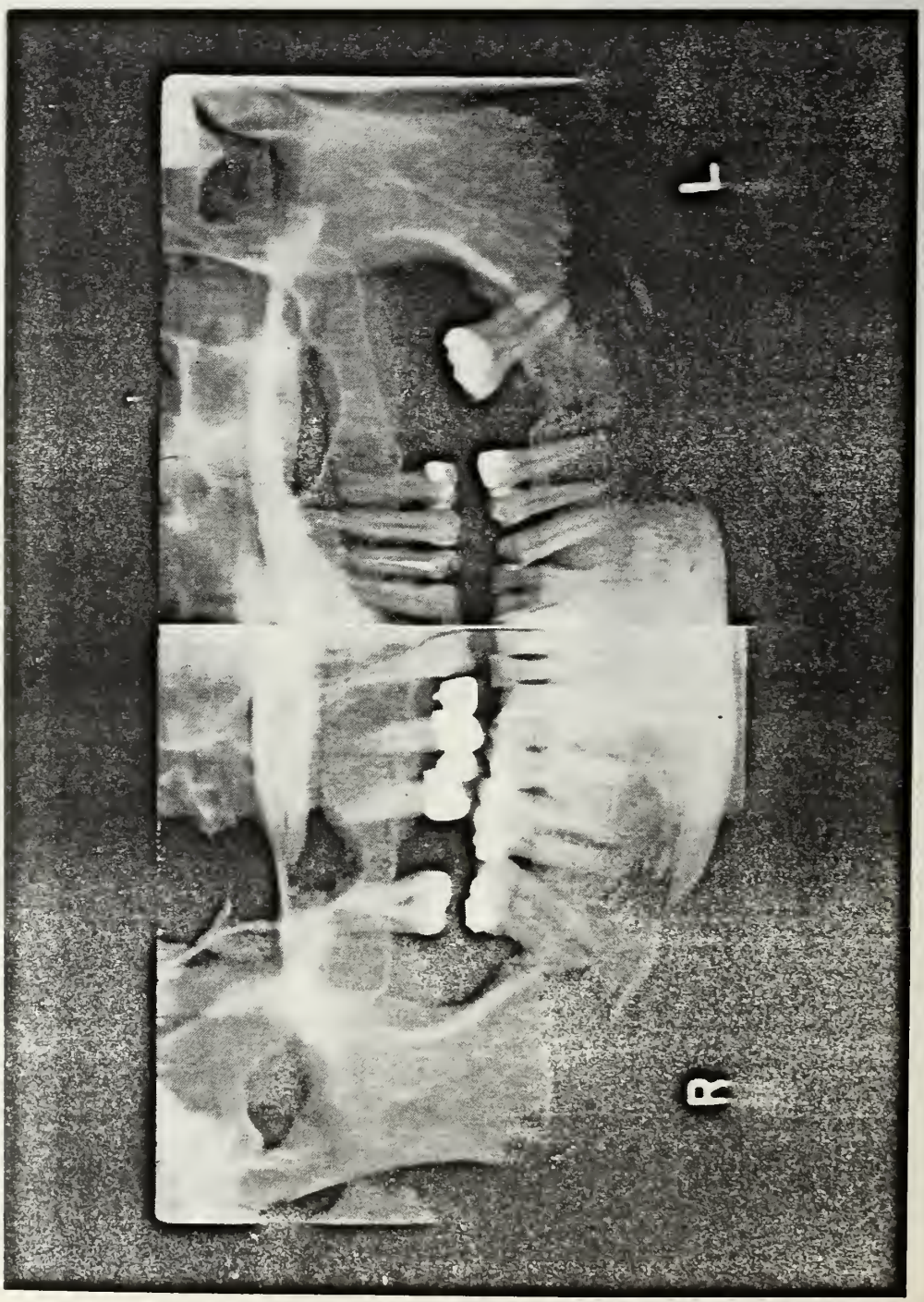




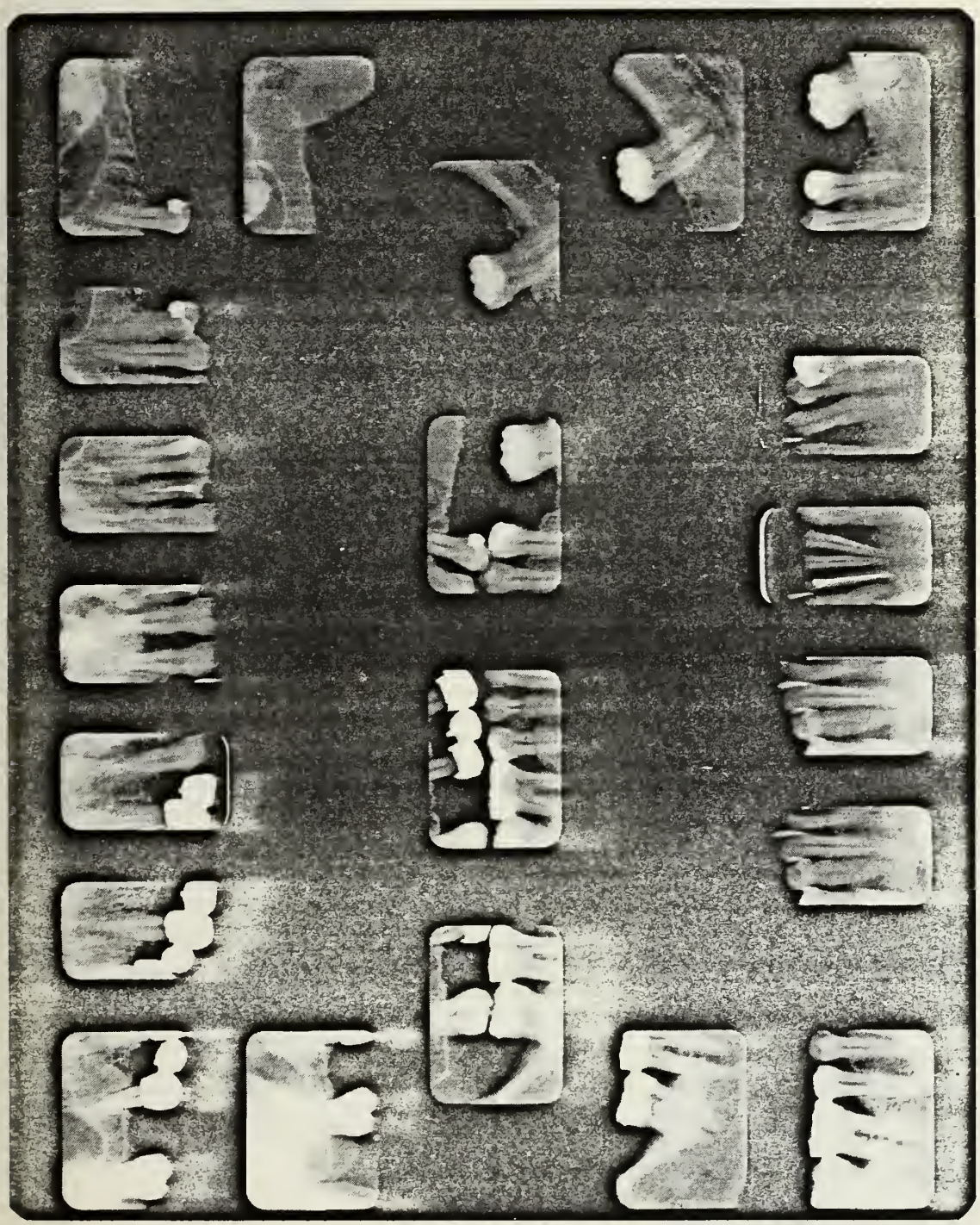




Case #7

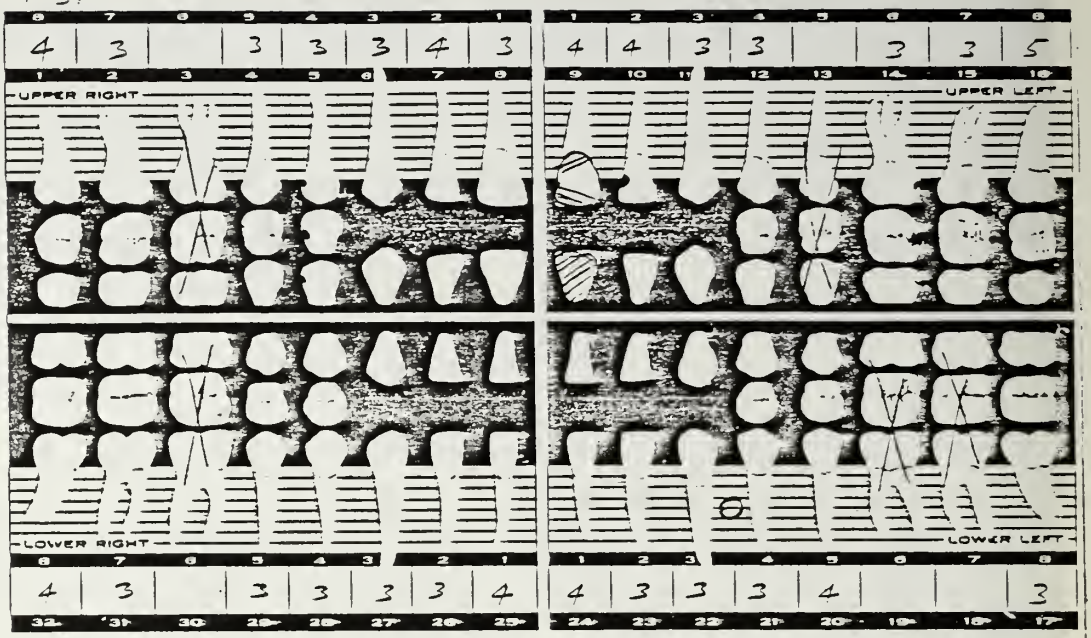


Case #7



Case #7

7437



RECOMMENDED TREATMENT

MOLD

SHADE

CYST BETWEEN 21-22

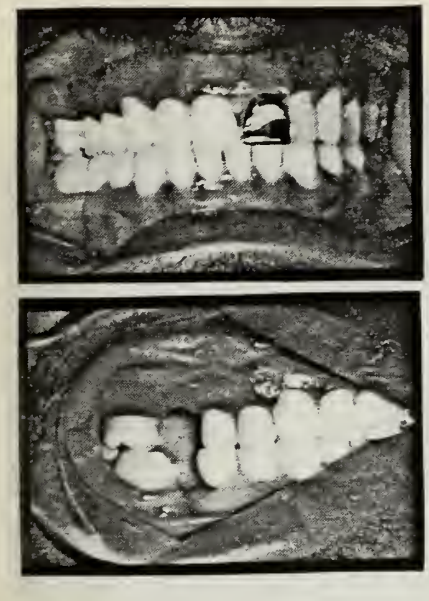
UPPER

LOWER

CASE#: 7437
AGE: 34
SEX: MALE
RACE: BLACK

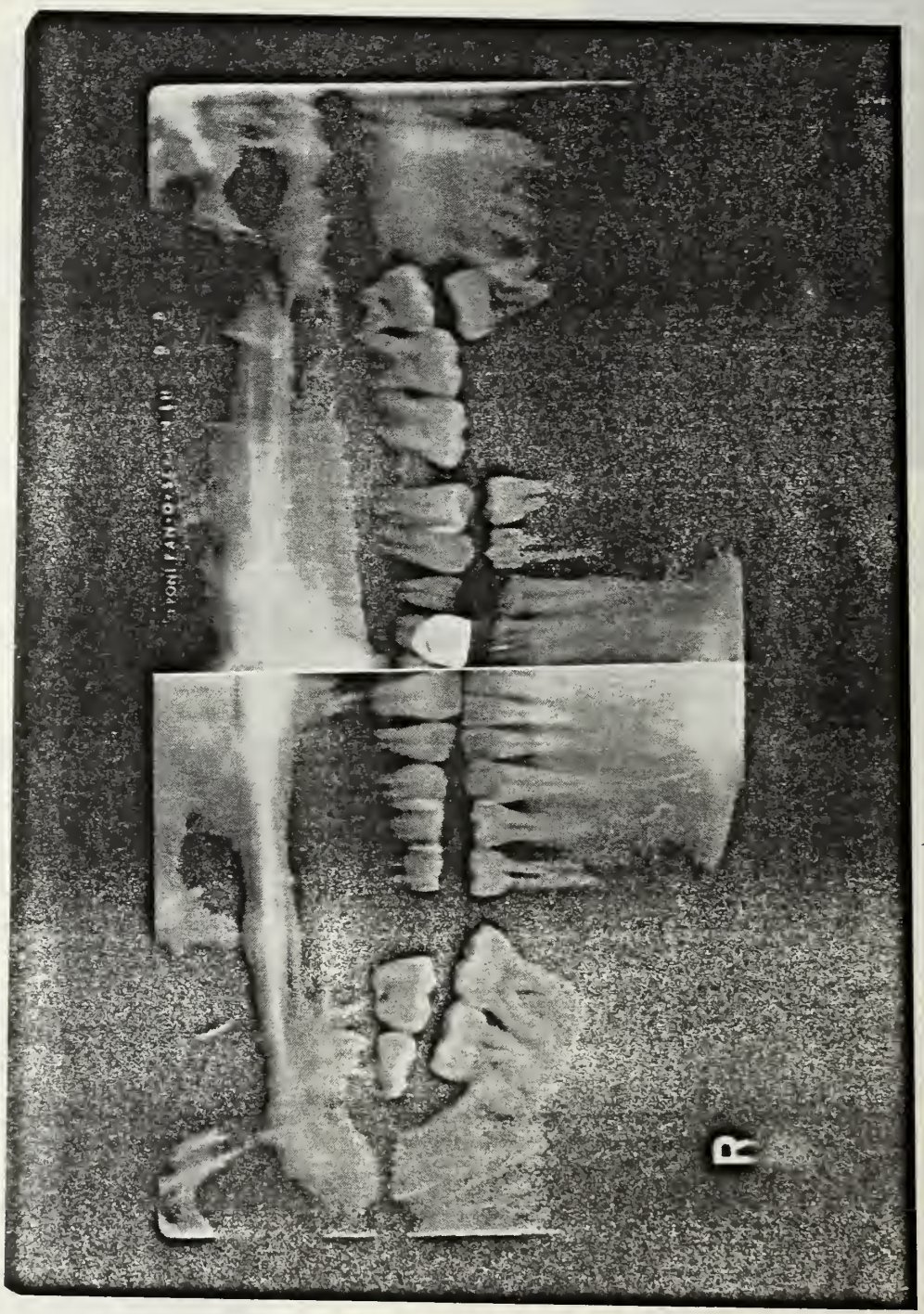
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Case #8

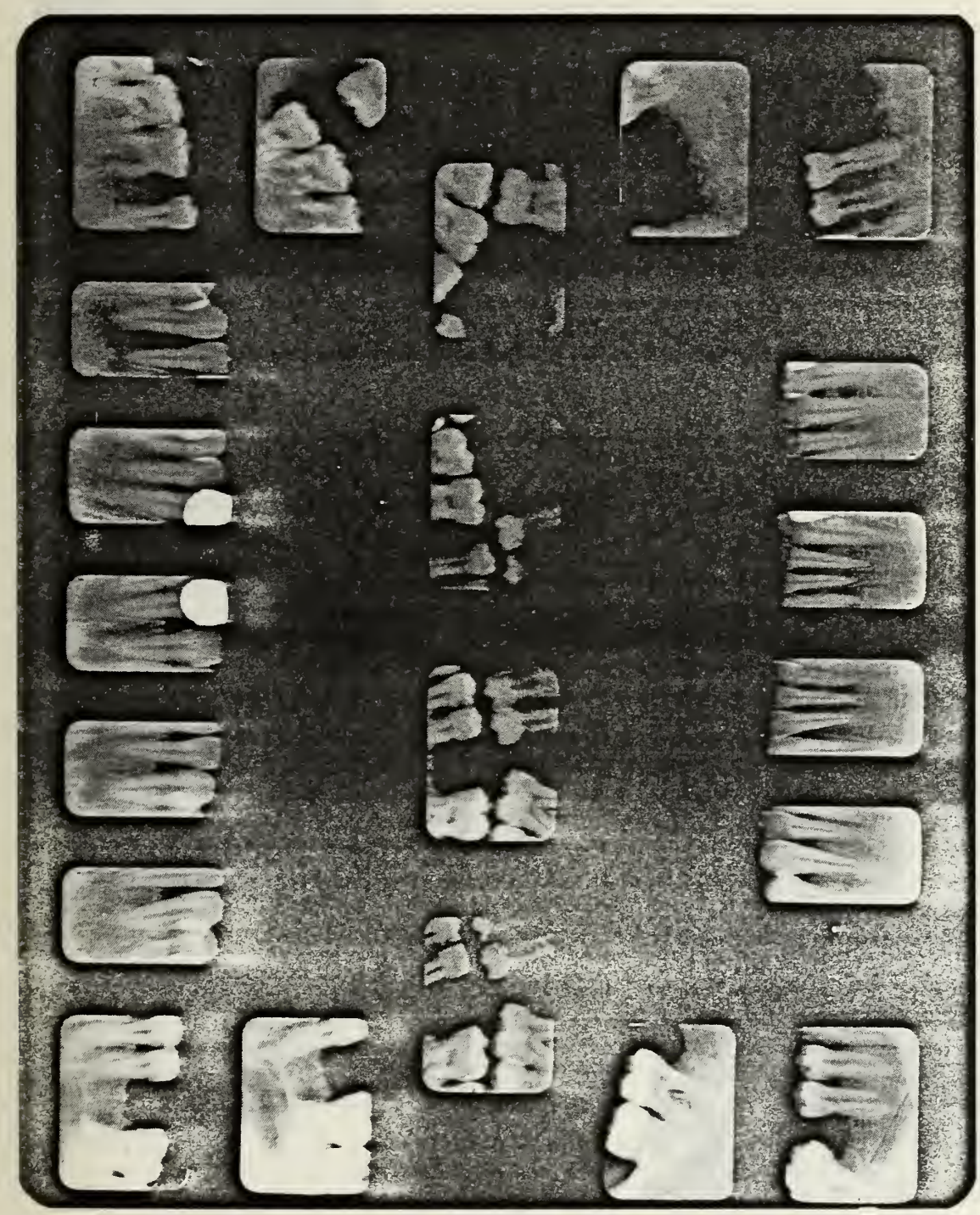




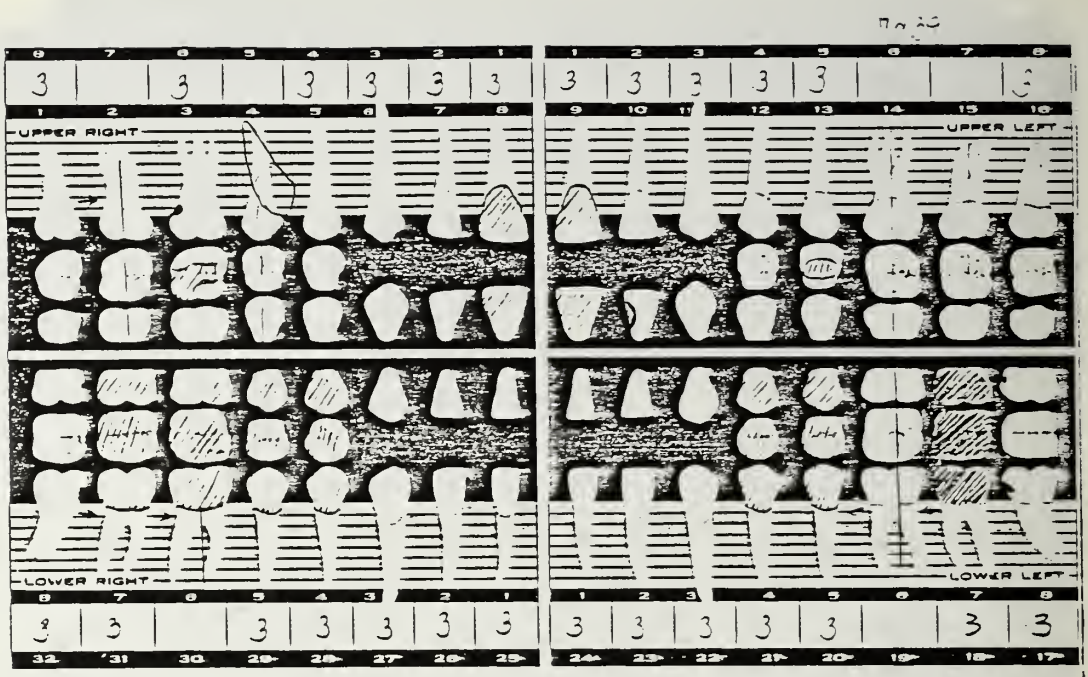
Case #8



Case #8



Case #8



RECOMMENDED TREATMENT

MOLD

SHADE

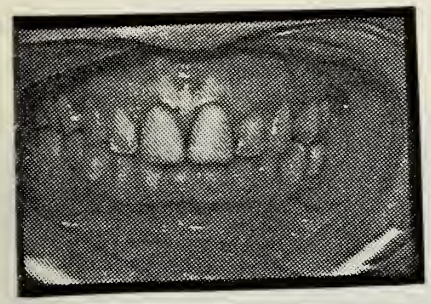
UPPER

LOWER

CASE#: 7439
AGE: 27
SEX: FEMALE
RACE: WHITE

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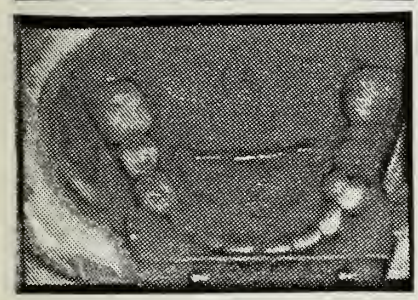
Case #9

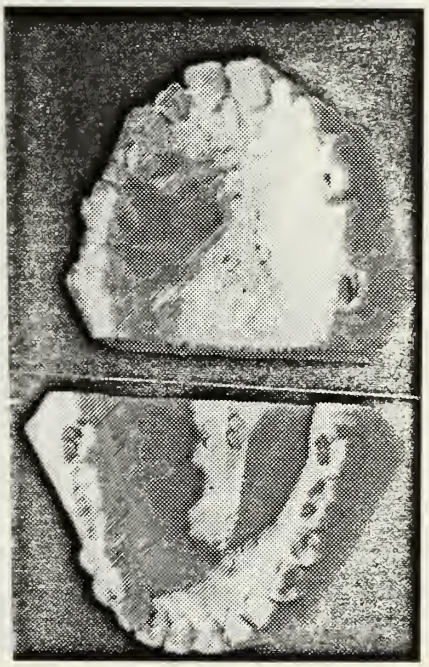




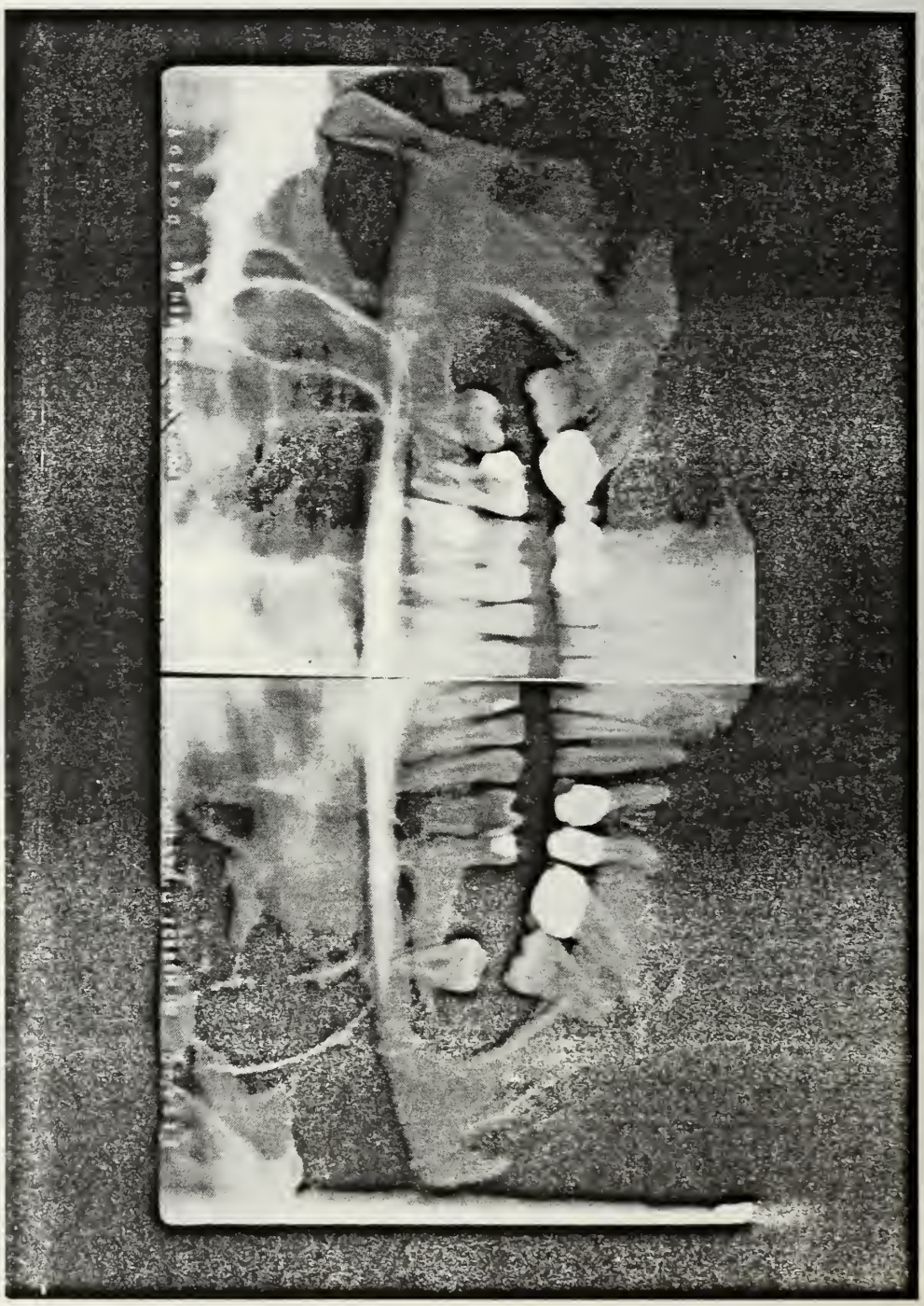




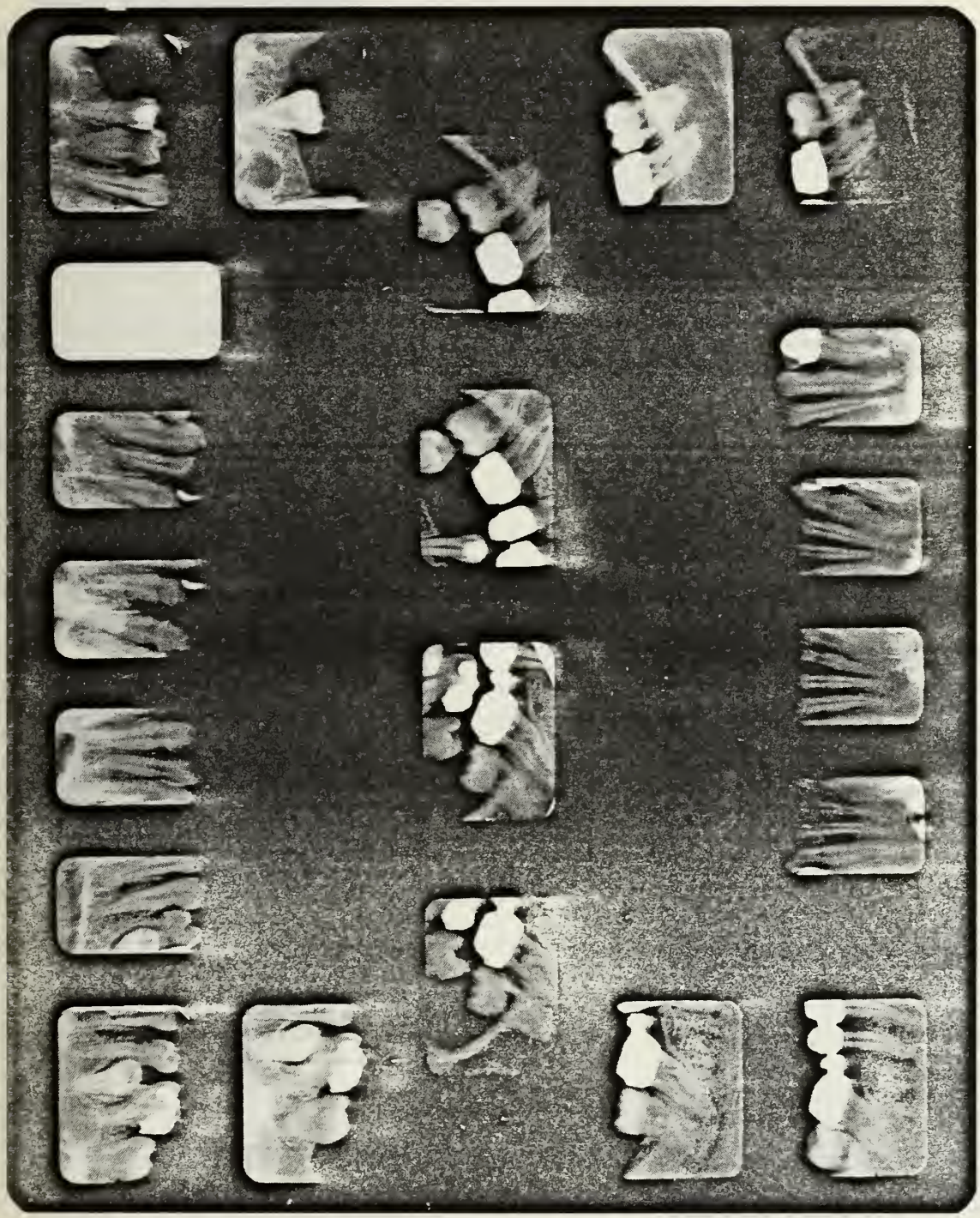




Case #9

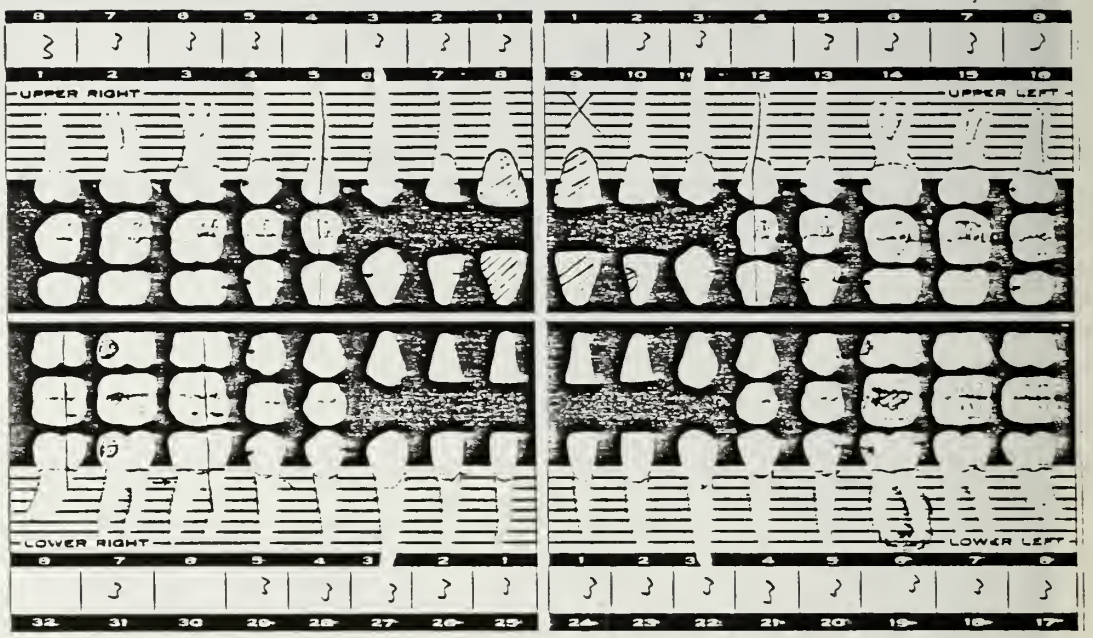


Case #9



Case #9

7447



RECOMMENDED TREATMENT

MOLD

SHADE

UPPER

LOWER

CASE#: 7447
AGE: 30
SEX: MALE
RACE: WHITE

No mobile teeth
Periapical radiolucency #11
Draining sinus buccal to #11
Referred to #19

#19 NON-VITAL
#31 NON-VITAL

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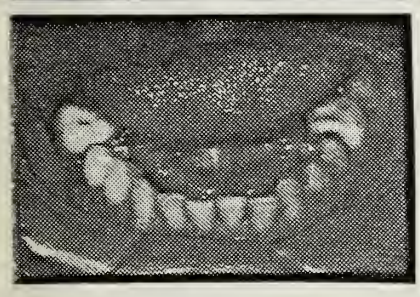
Case #10





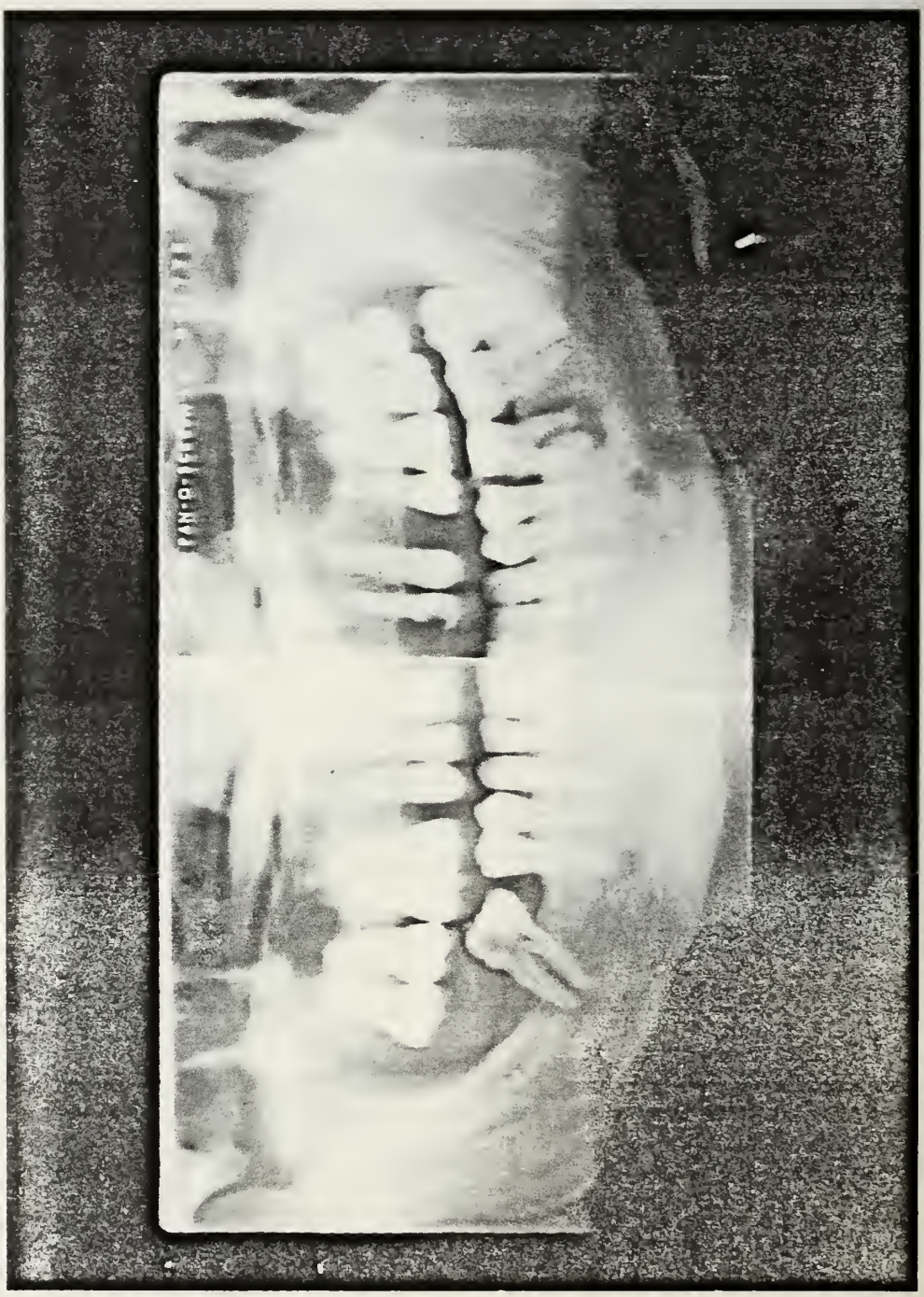




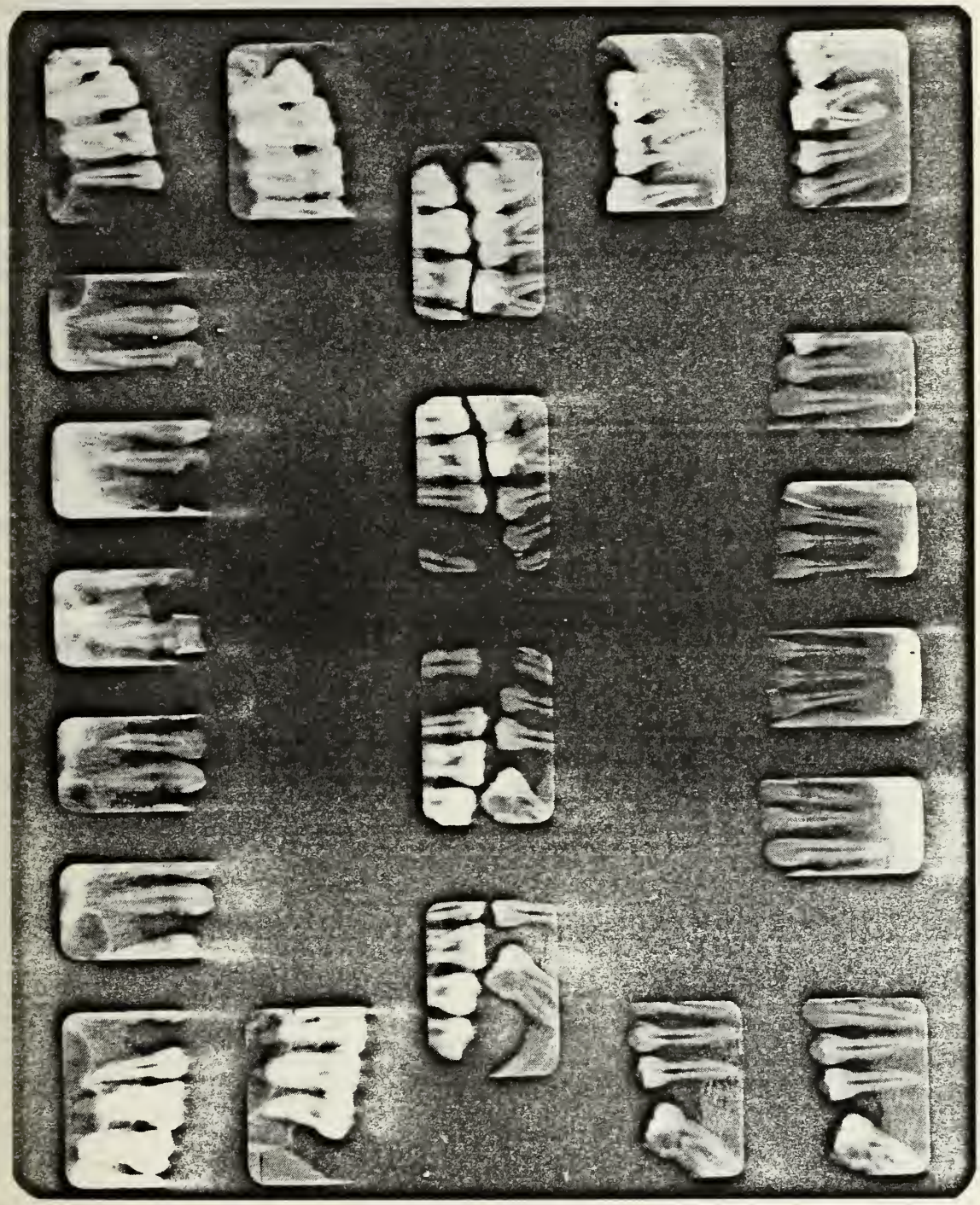




Case #10

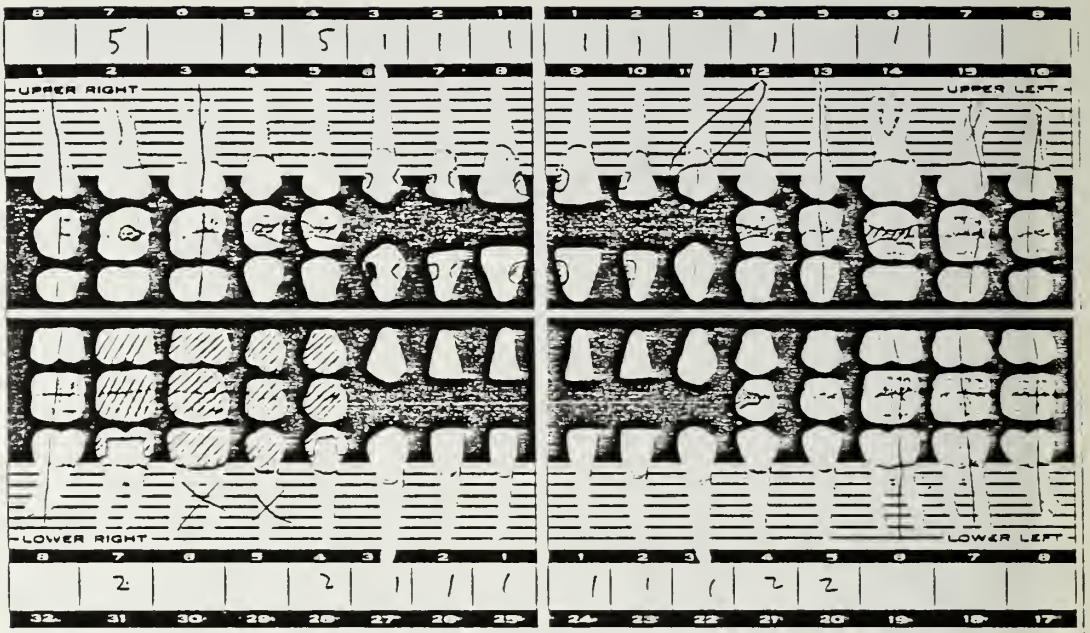


Case #10



Case #10

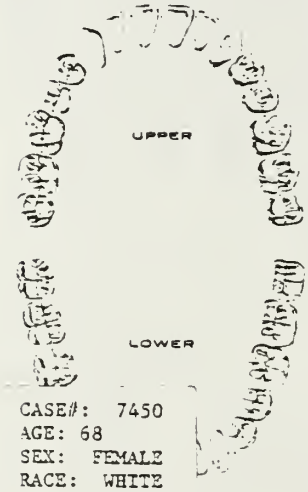
7450



RECOMMENDED TREATMENT

MOLD

SHADE



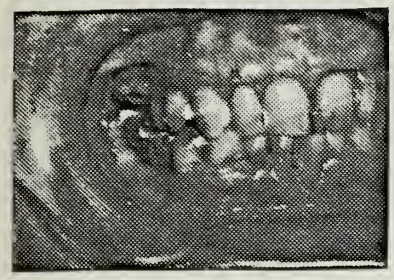
CASE#: 7450
AGE: 68
SEX: FEMALE
RACE: WHITE

Mobility
4 1 -
5 1 -
12 1 -
23 2
31 1
34 1 -
35 1 +
36 1
Impacted #11

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Case #11





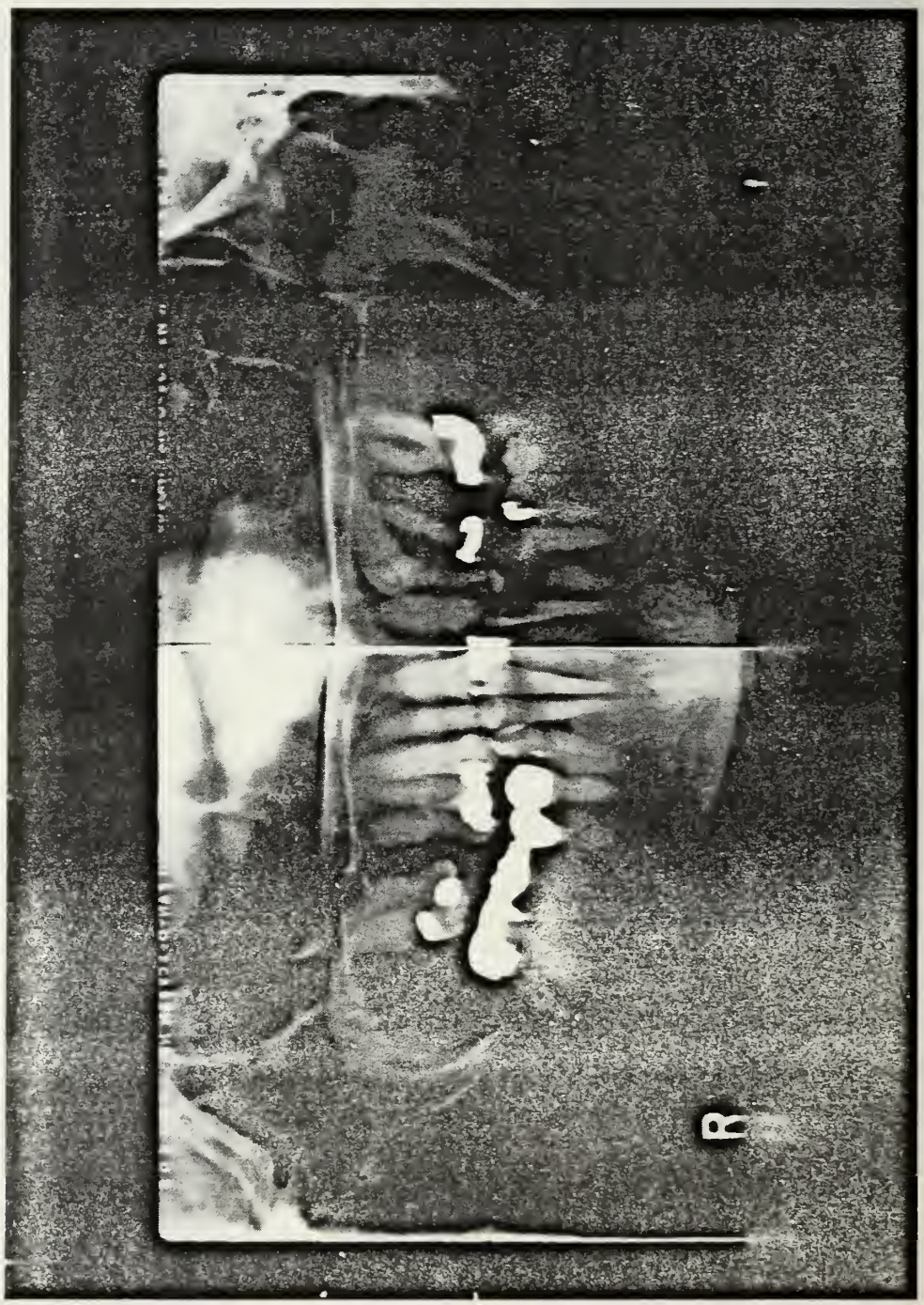




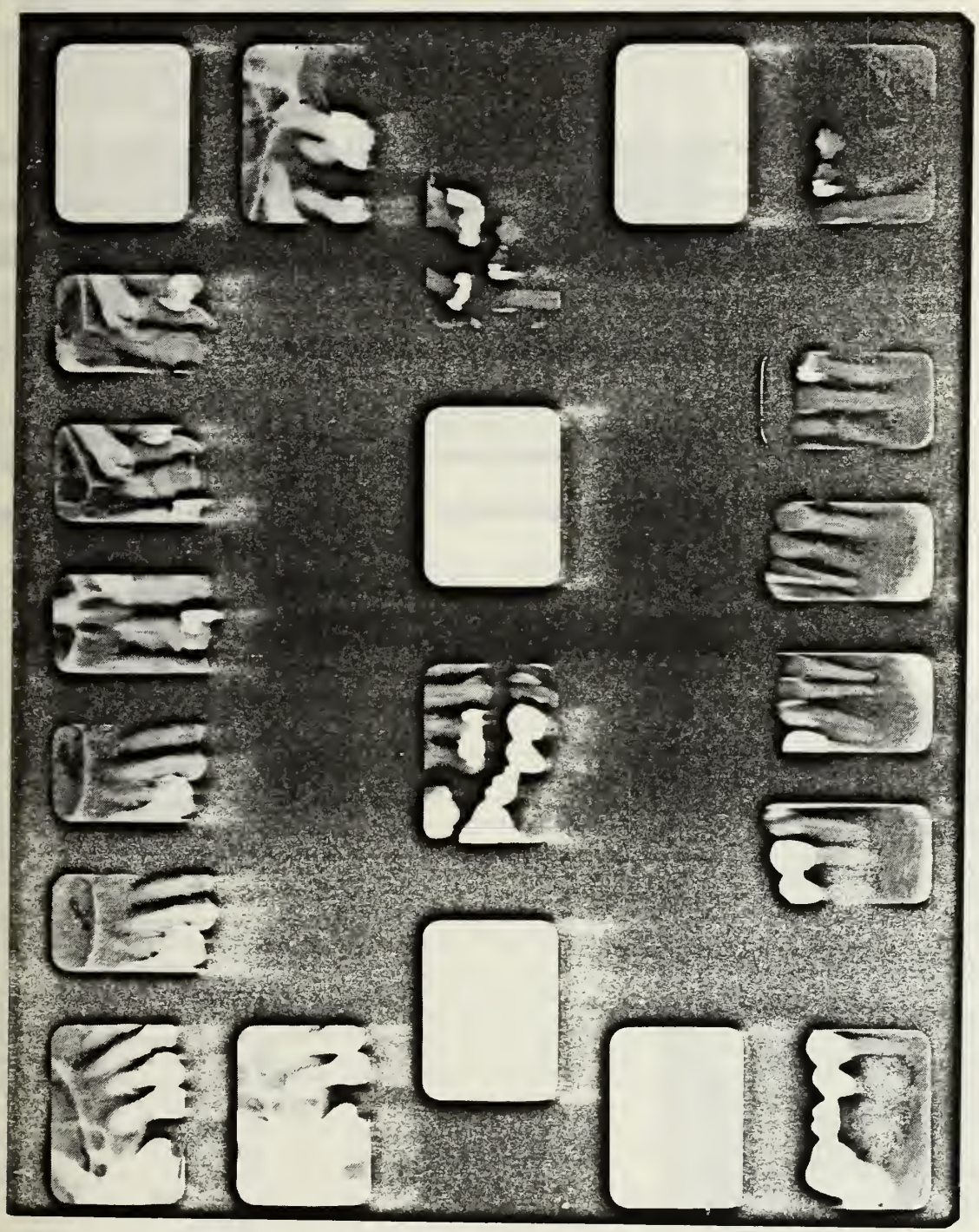




Case #11

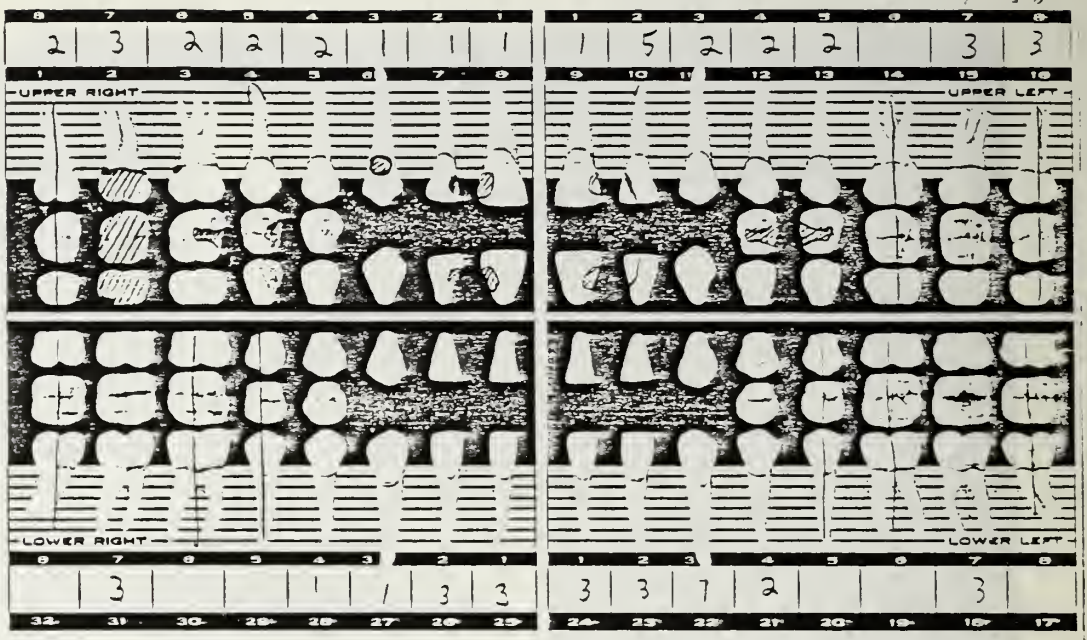


Case #11



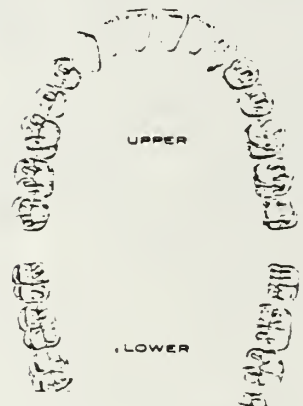
Case #11

7458



MOLD

SHADE



CASE#: 7458
AGE: 34
SEX: FEMALE
RACE: BLACK

RECOMMENDED TREATMENT

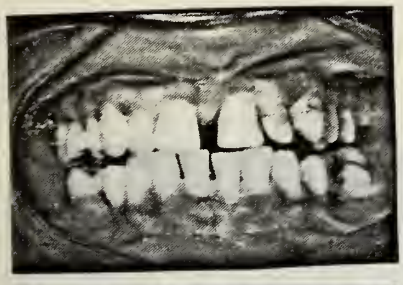
No mobile teeth

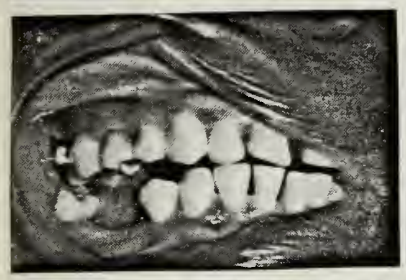
#2 PRECEDING CUSPS NON-VITAL

#10 NON-VITAL

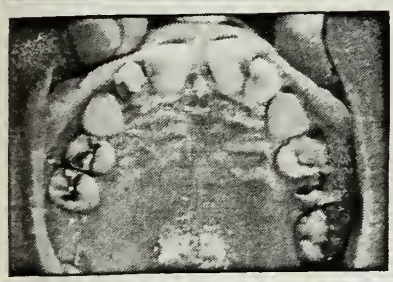
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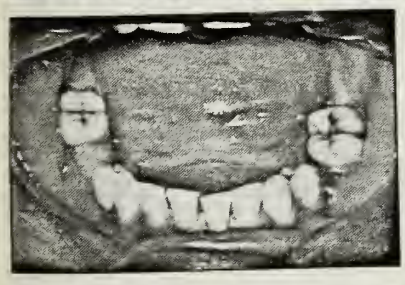
Case #12

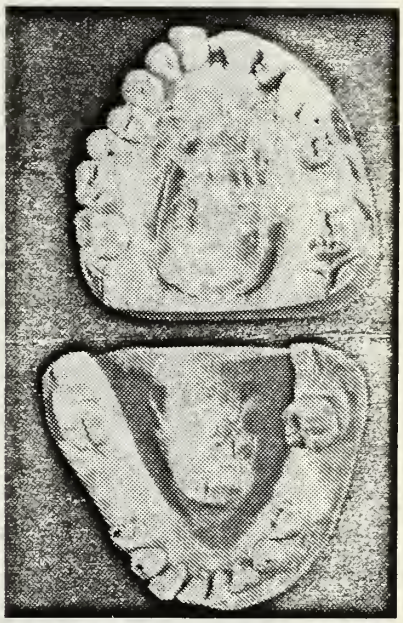




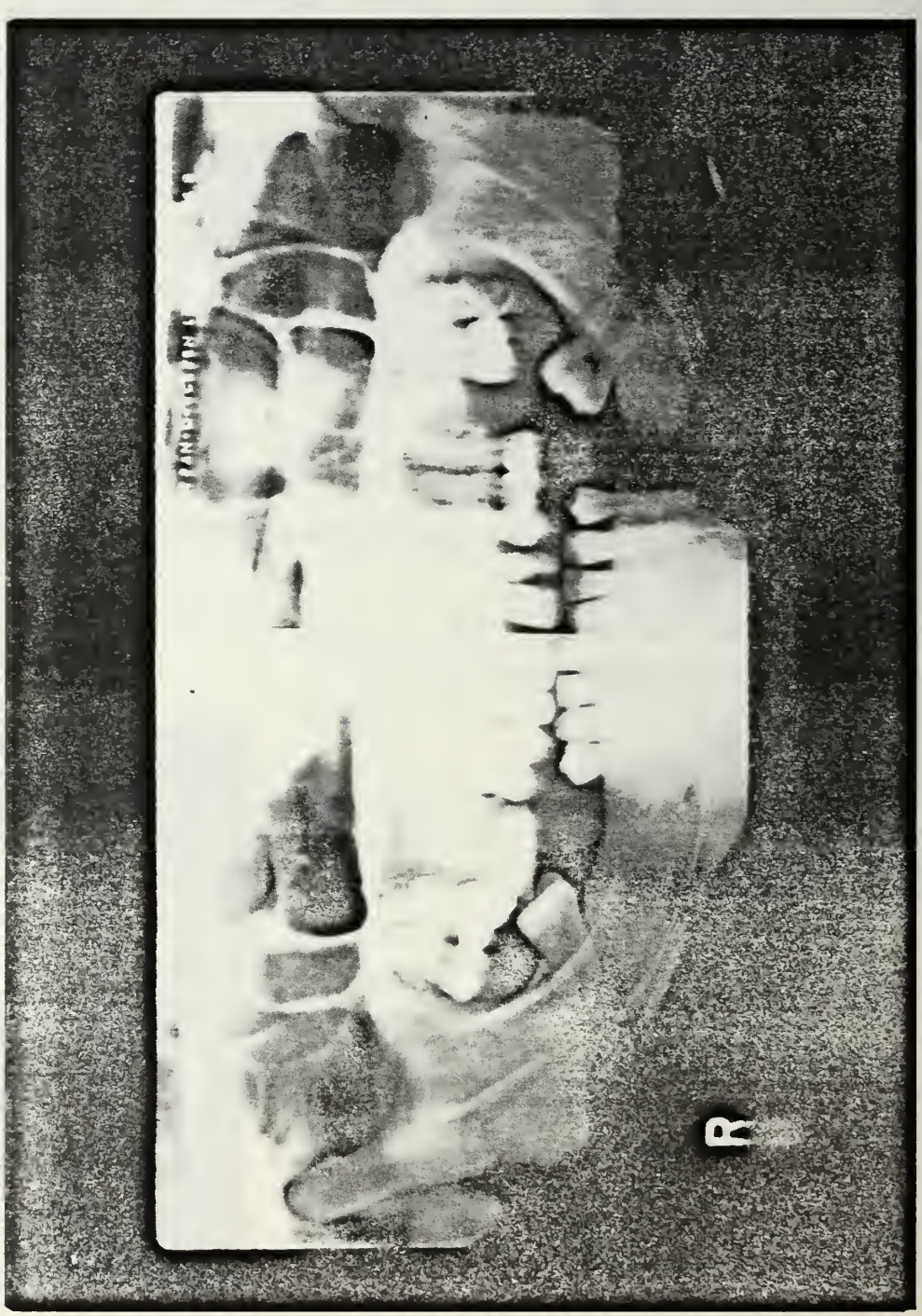




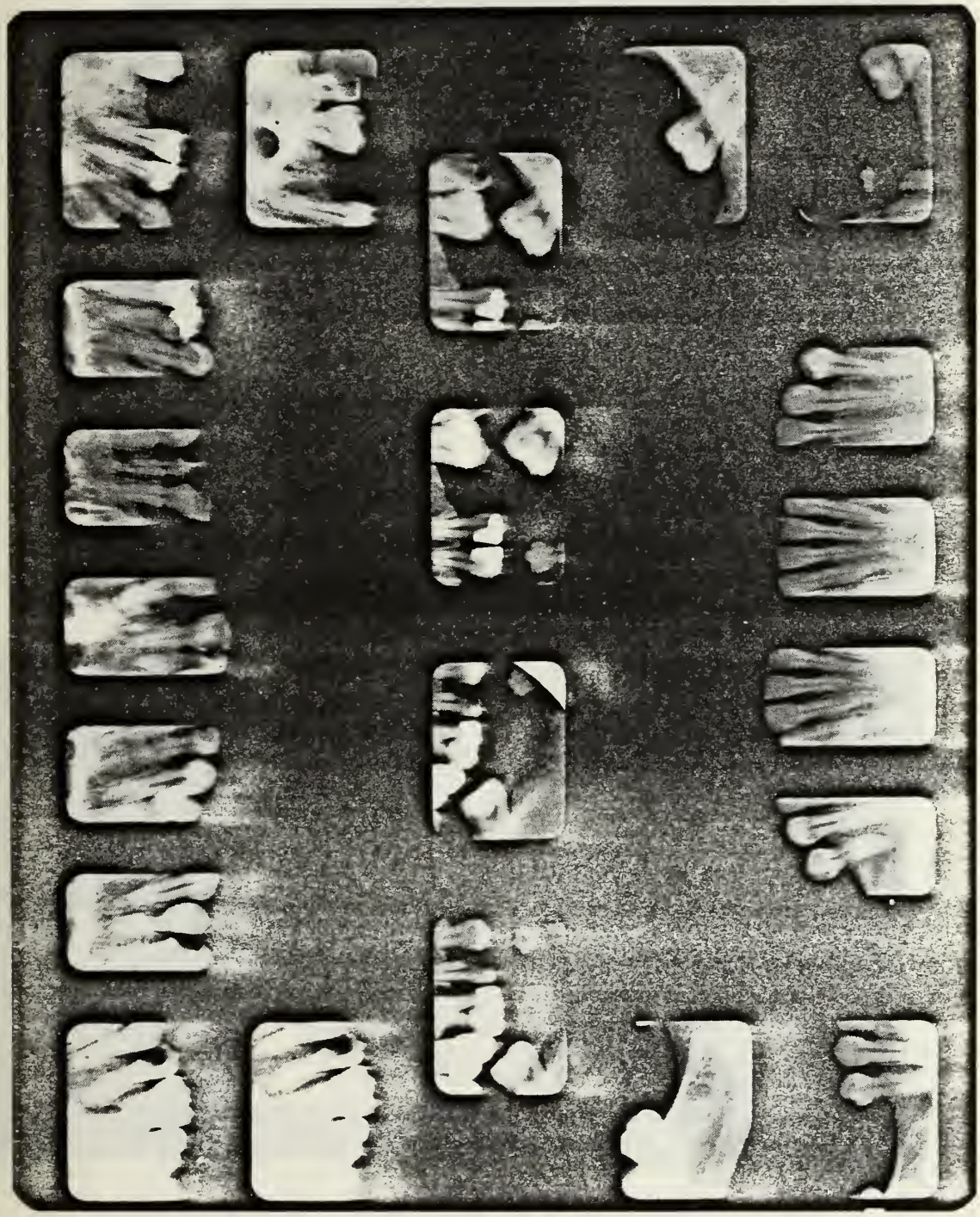




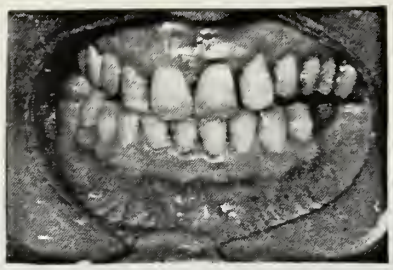
Case #12



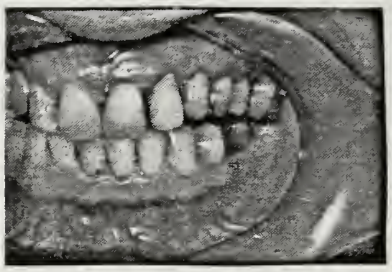
Case #12



Case #12





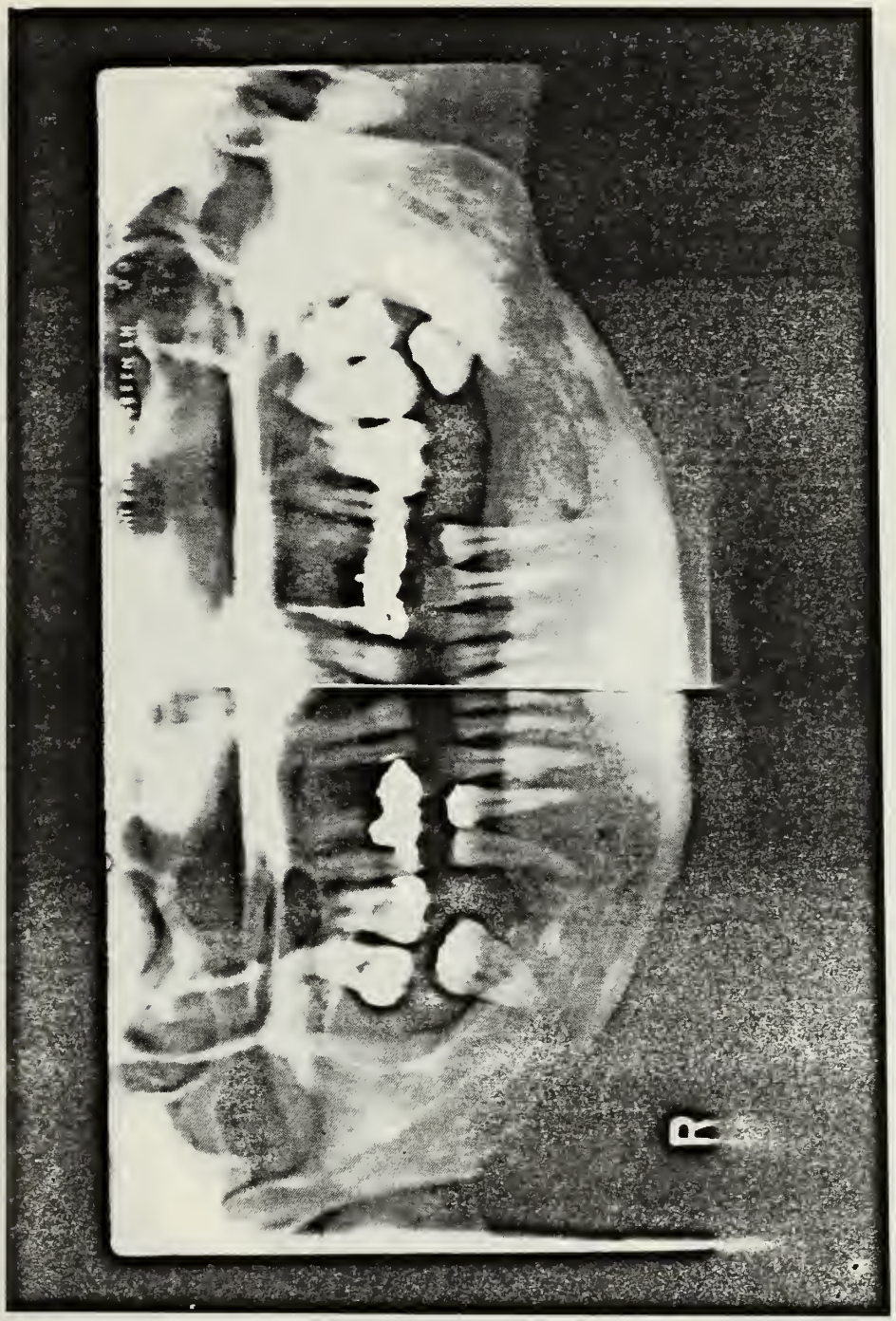








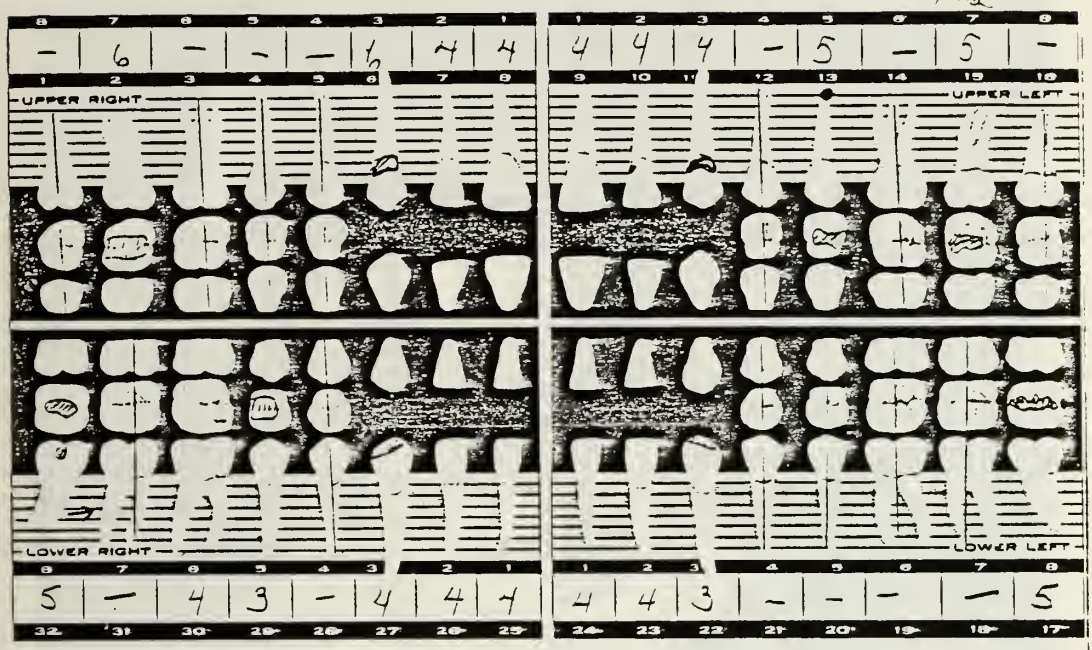
Case #13



Case #13

Case #13

7465



RECOMMENDED TREATMENT

MOLD

SHADE

UPPER

LOWER

CASE#: 7465
AGE: 29
SEX: FEMALE
RACE: WHITE

Needing esthetic Ord
Discing Clinic Tooth at next Ap #13

TOOTH	MOBILITY
5	1
7	1
6	1
9	1
10	1
11	1
~~12~~	1
23	1
24	1
25	1
26	1
27	1

#13 HORIZONTAL

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Case #14





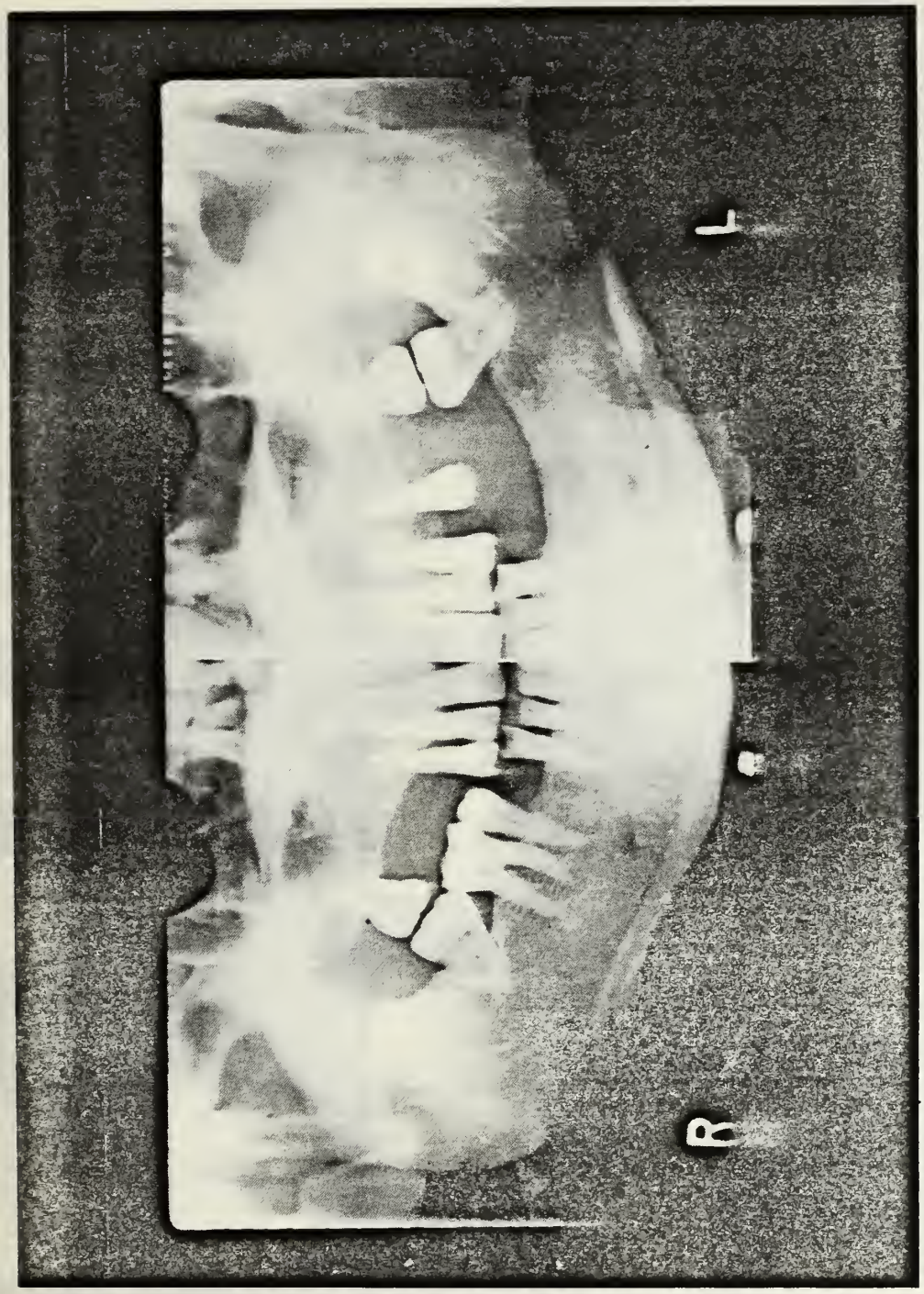




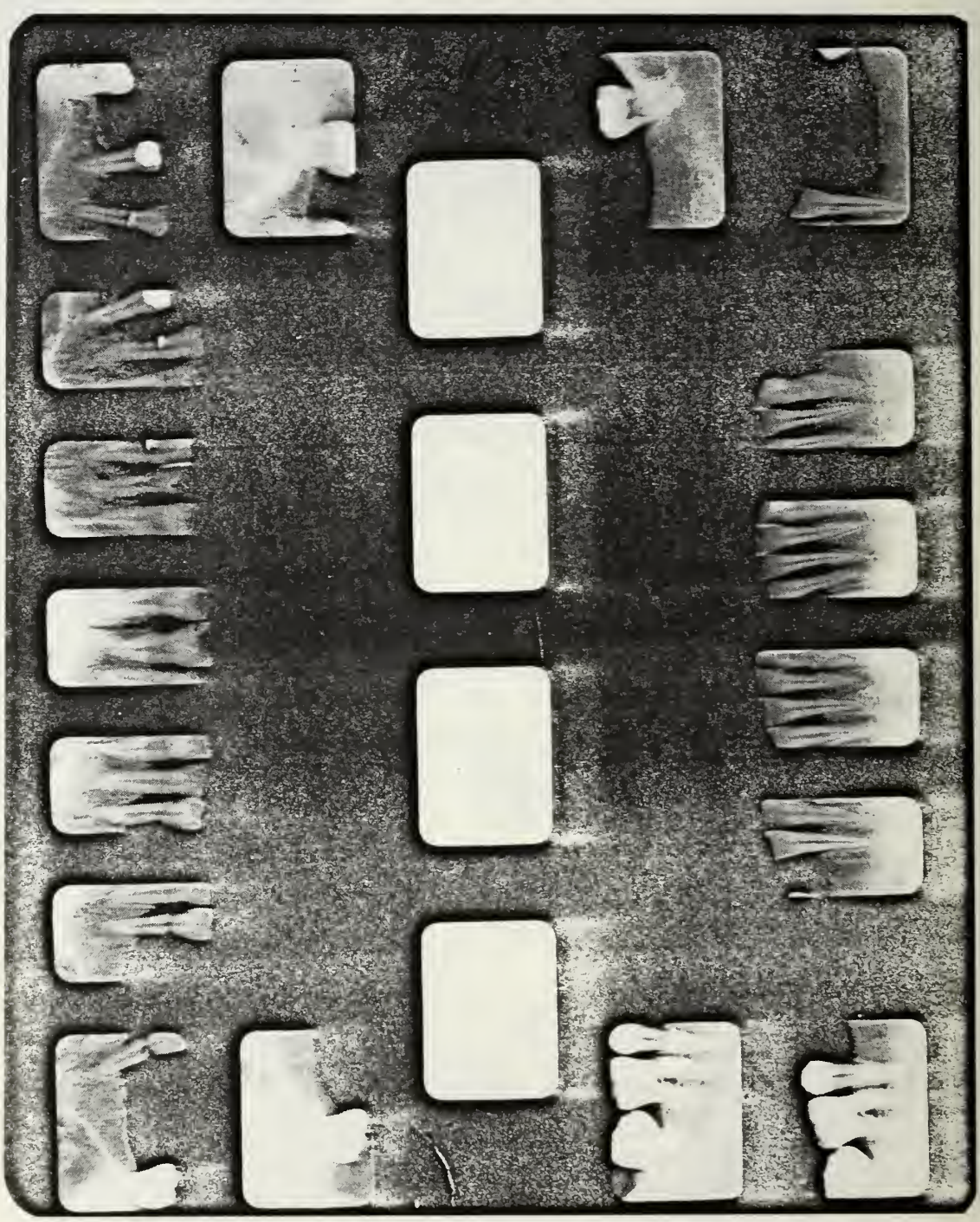




Case #14

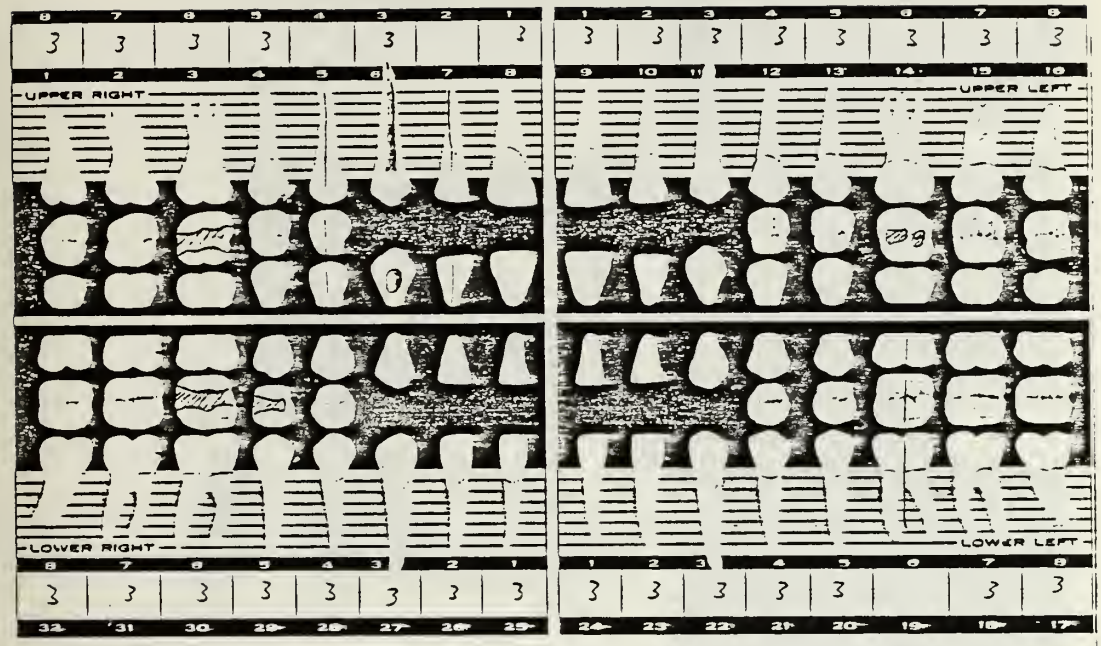


Case #14



Case #14

7506



RECOMMENDED TREATMENT

MOLD

SHADE

N/D mobile FPD

UPPER

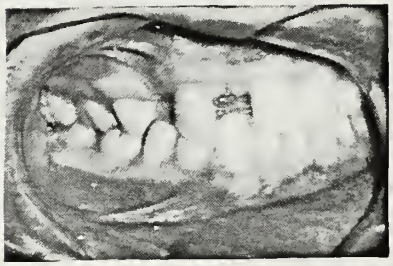
LOWER

FORM AR

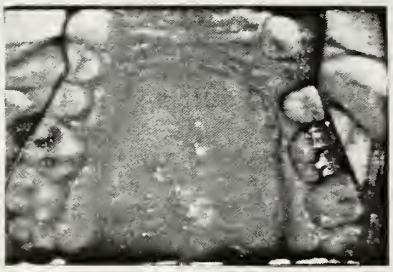
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Case #15





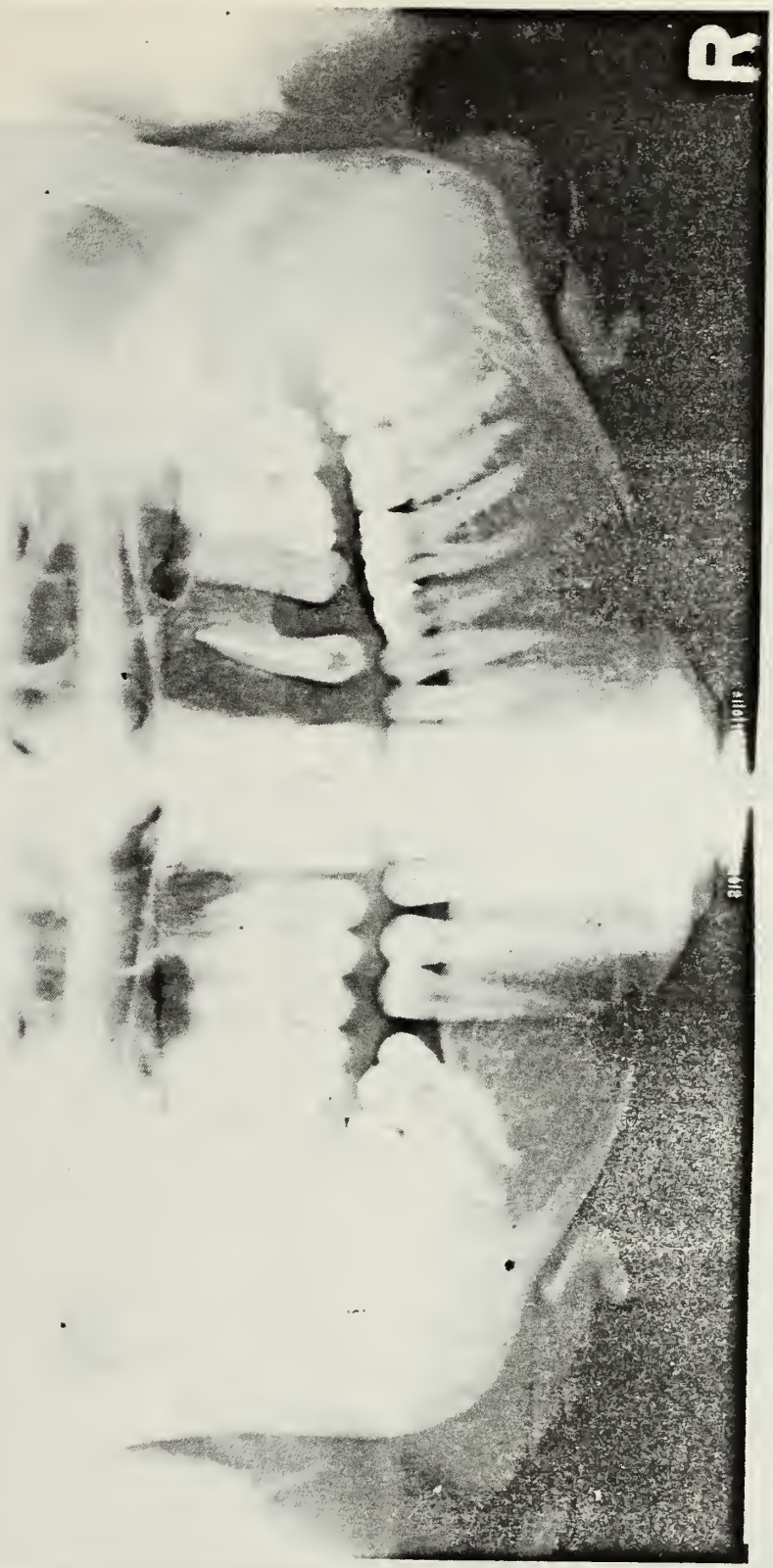




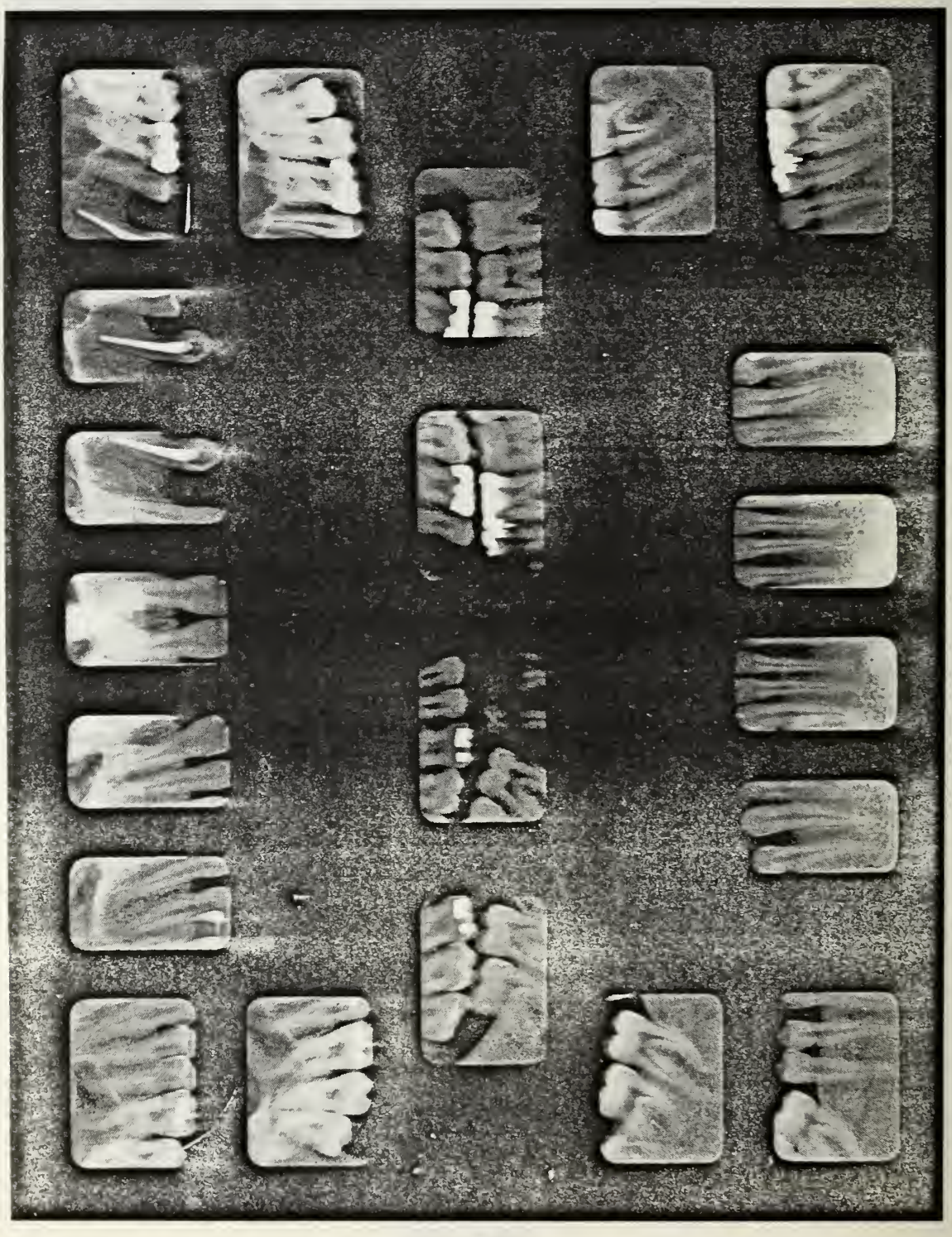




Case #15

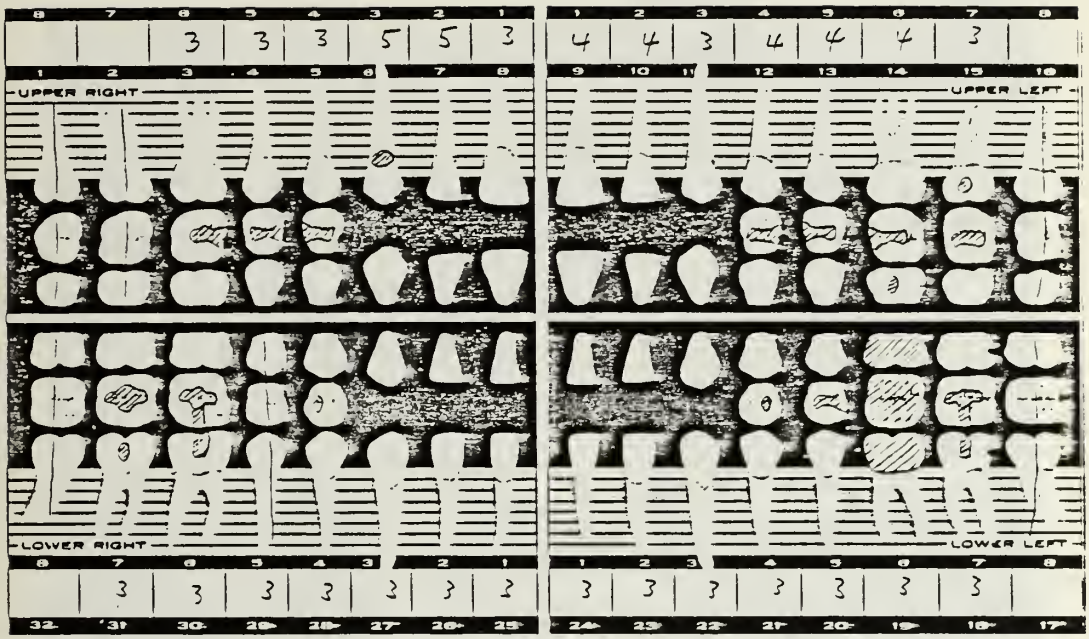


Case #15



Case #15

7513

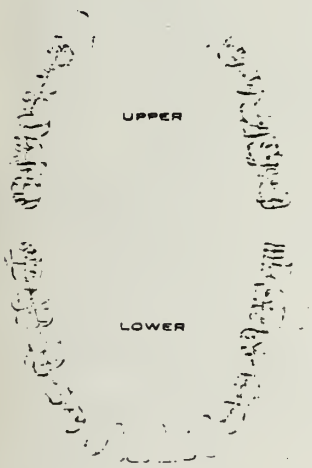


RECOMMENDED TREATMENT

MOLD

SHADE

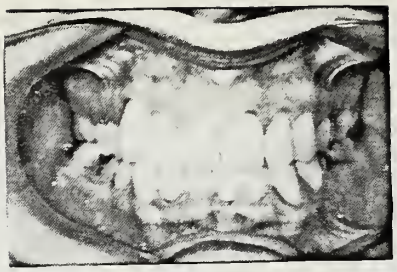
No mobile teeth



FORM AR

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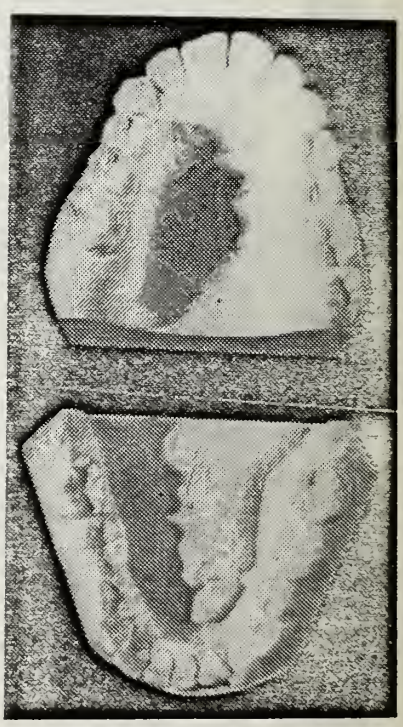
Case #16



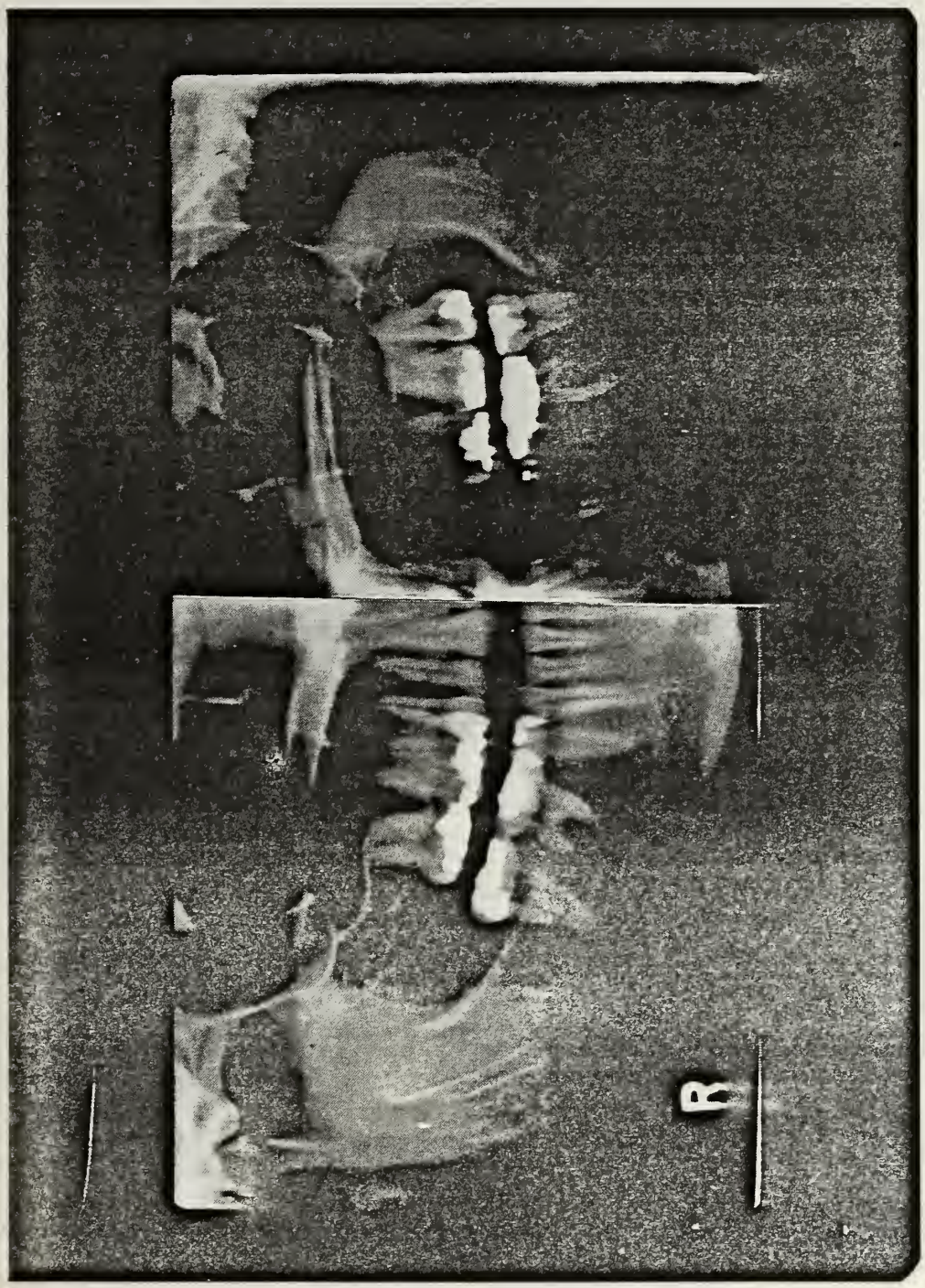




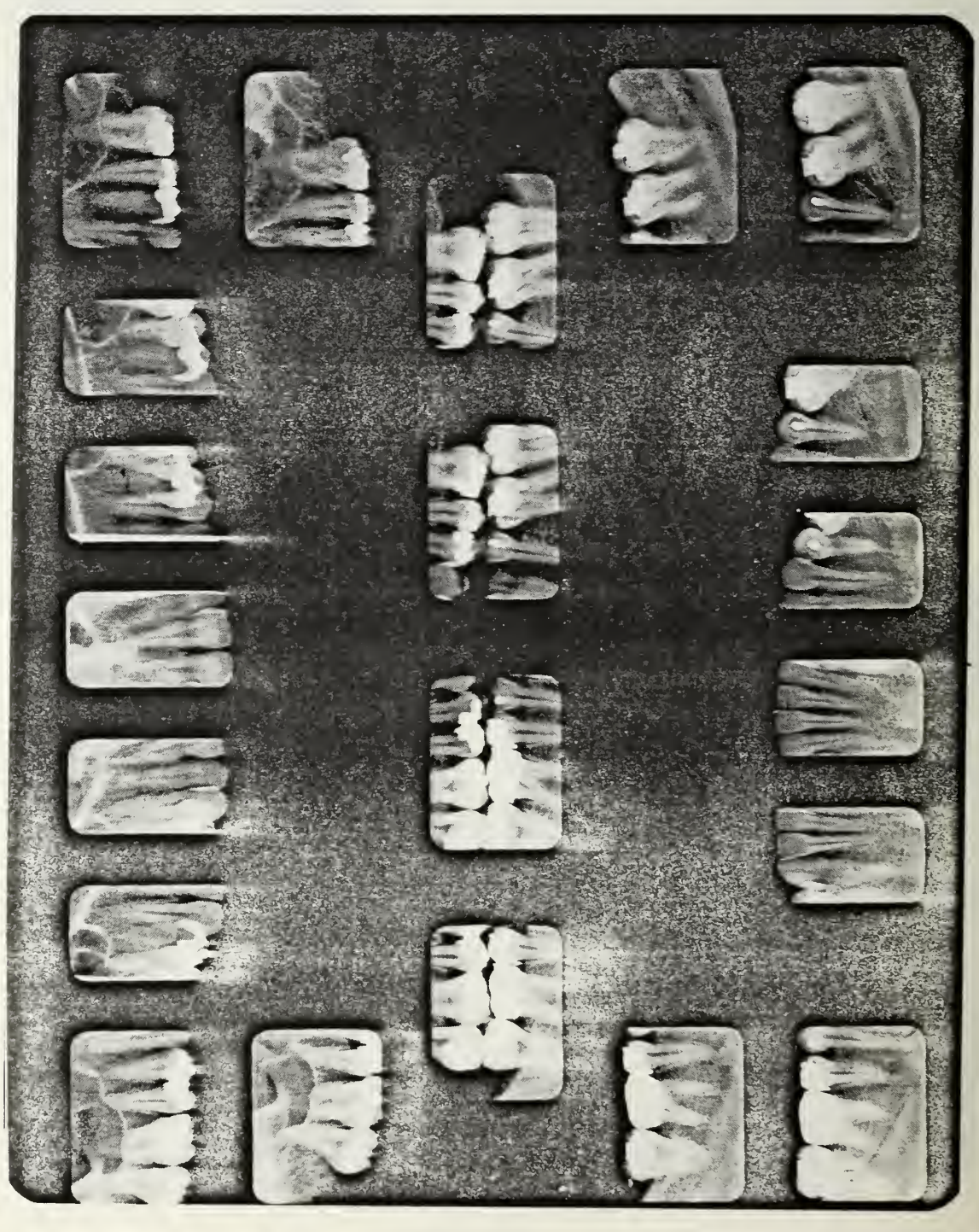




Case #16

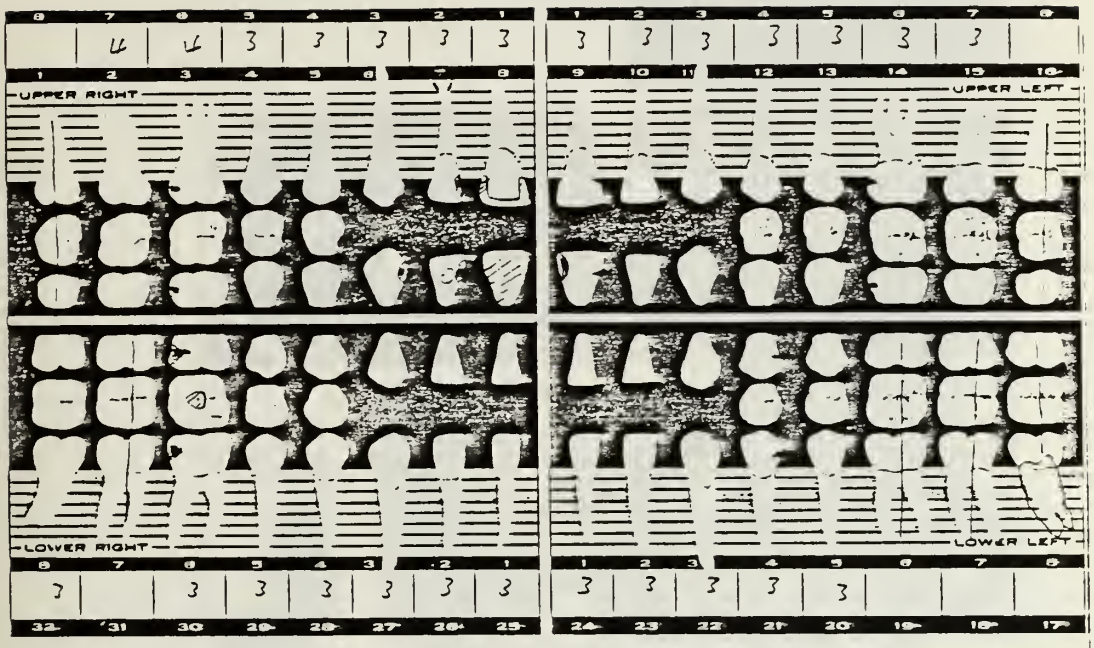


Case #16



Case #16

7517



RECOMMENDED TREATMENT

HOLD

SHADE

No mobile teeth
Recession ostairis ± 7
TMJ ⓡ Pain dorsal to Condyle
Clicking ⓓ upon opening

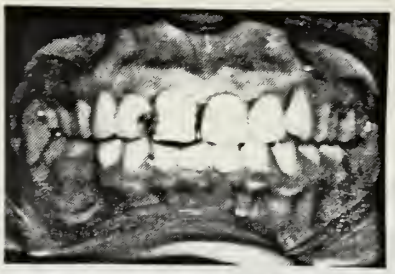
UPPER

LOWER

CASE#: 7517
AGE: 29
SEX: FEMALE
RACE: SPANISH SURNAME

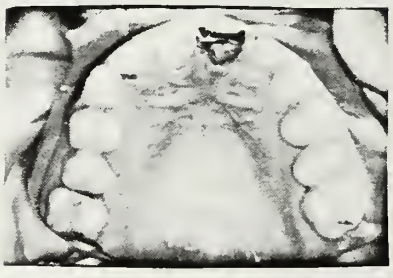
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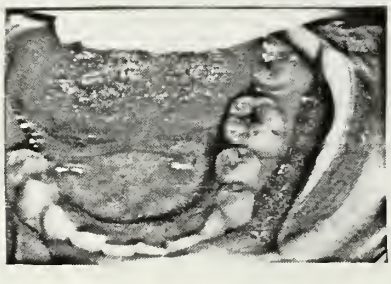
Case #17

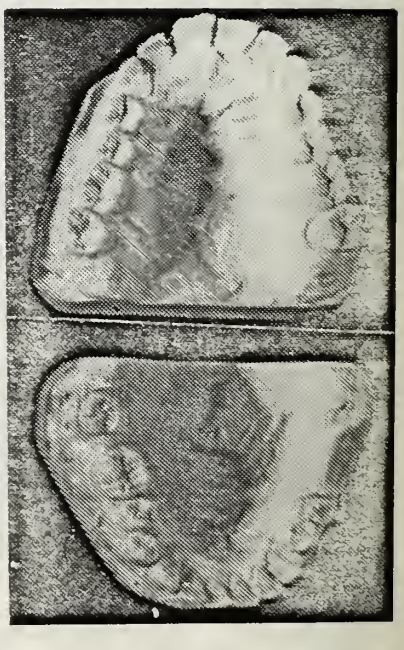




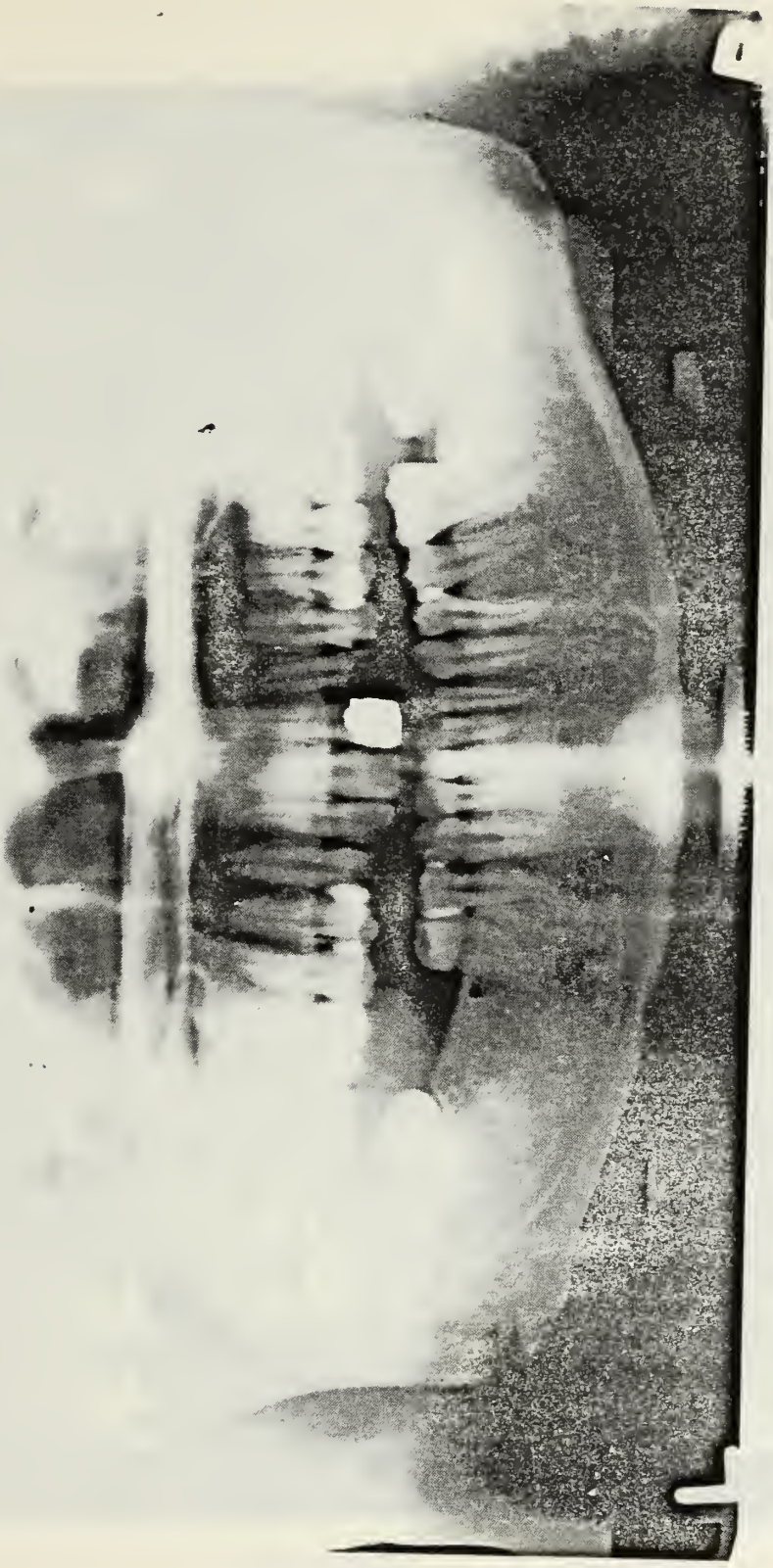




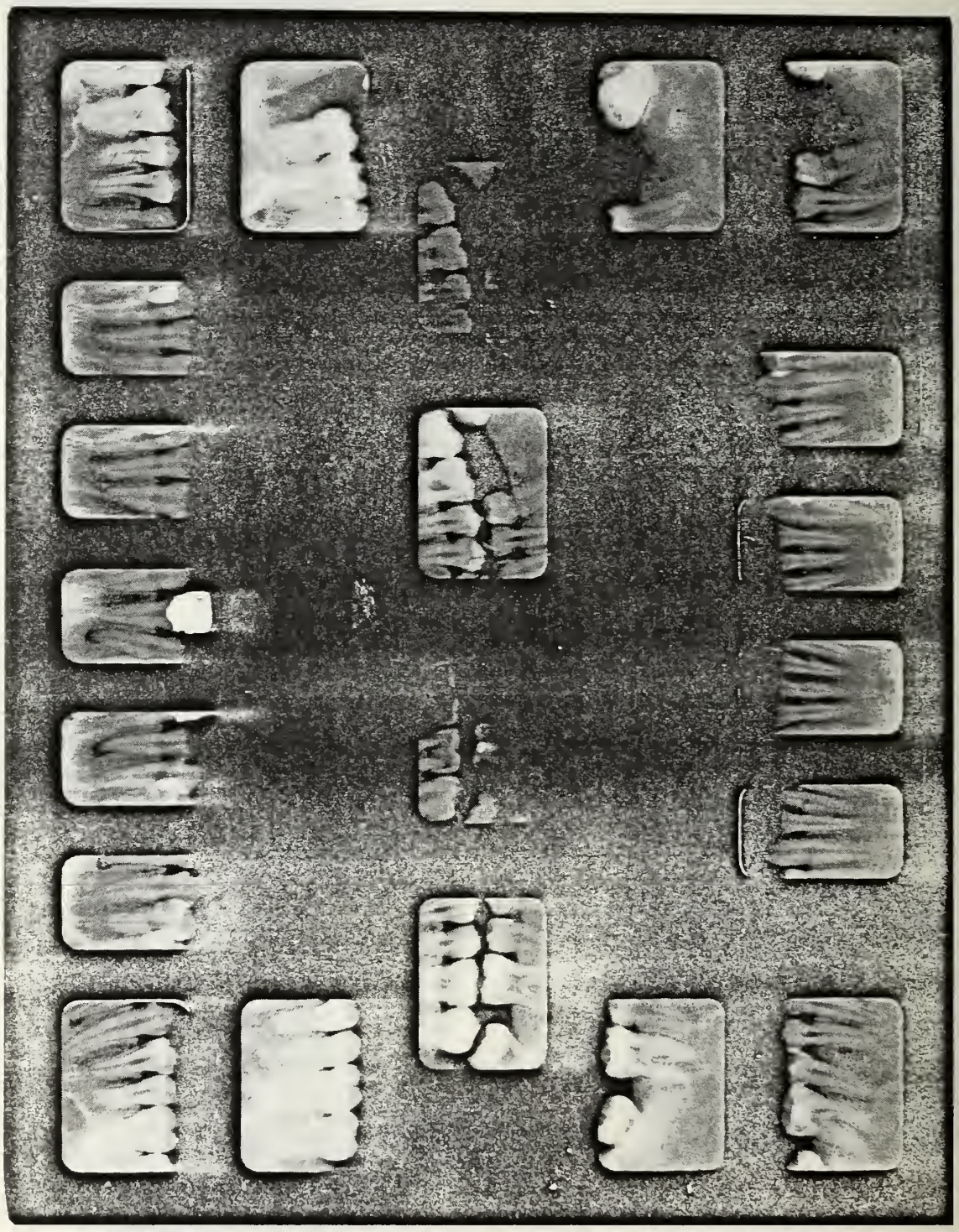




Case #17

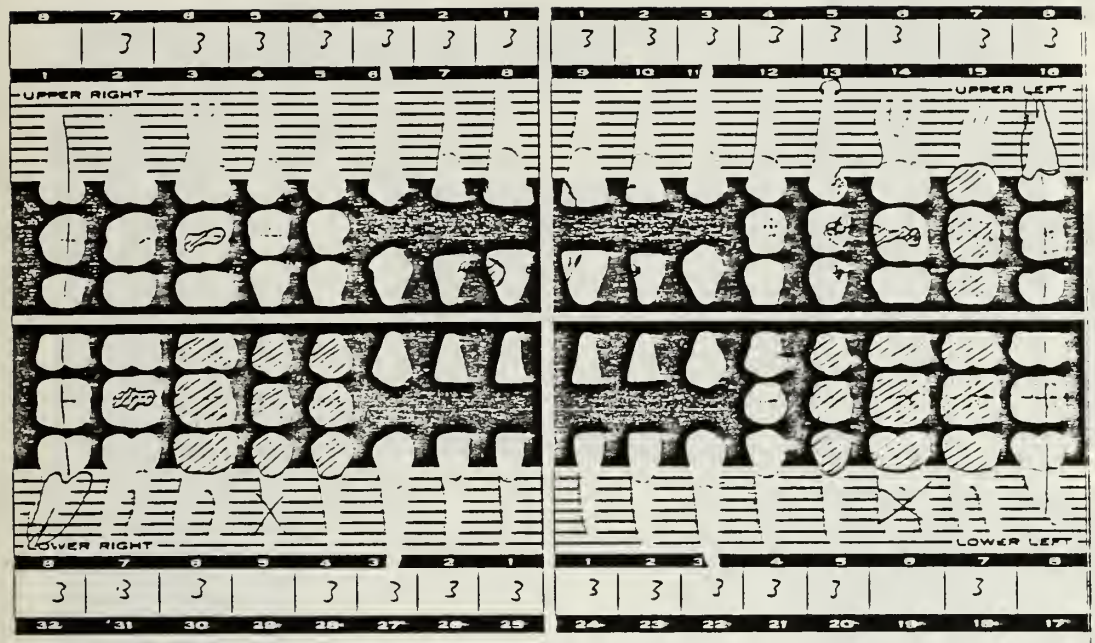


Case #17



Case #17

7524



RECOMMENDED TREATMENT

MOLD

SHADE

No mobile teeth
Periapical rarefying osteitis #13
13 Non-vital

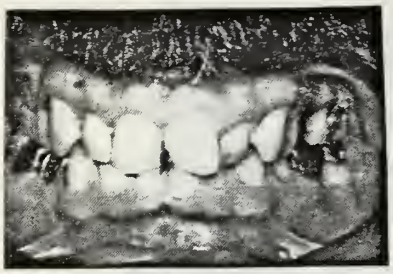
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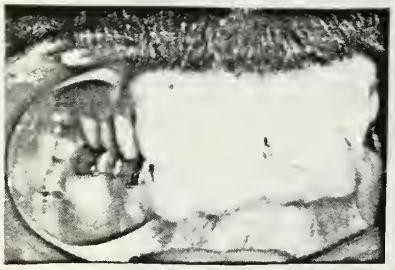
LOWER

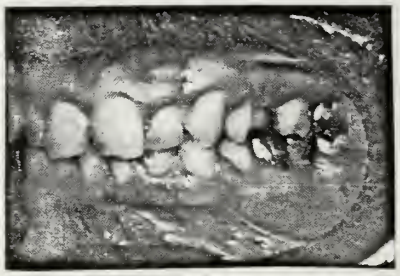
CASE#: 7524
AGE: 32
SEX: MALE
RACE: WHITE

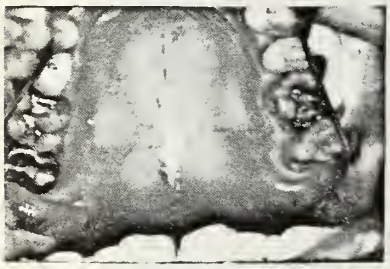
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Case #18





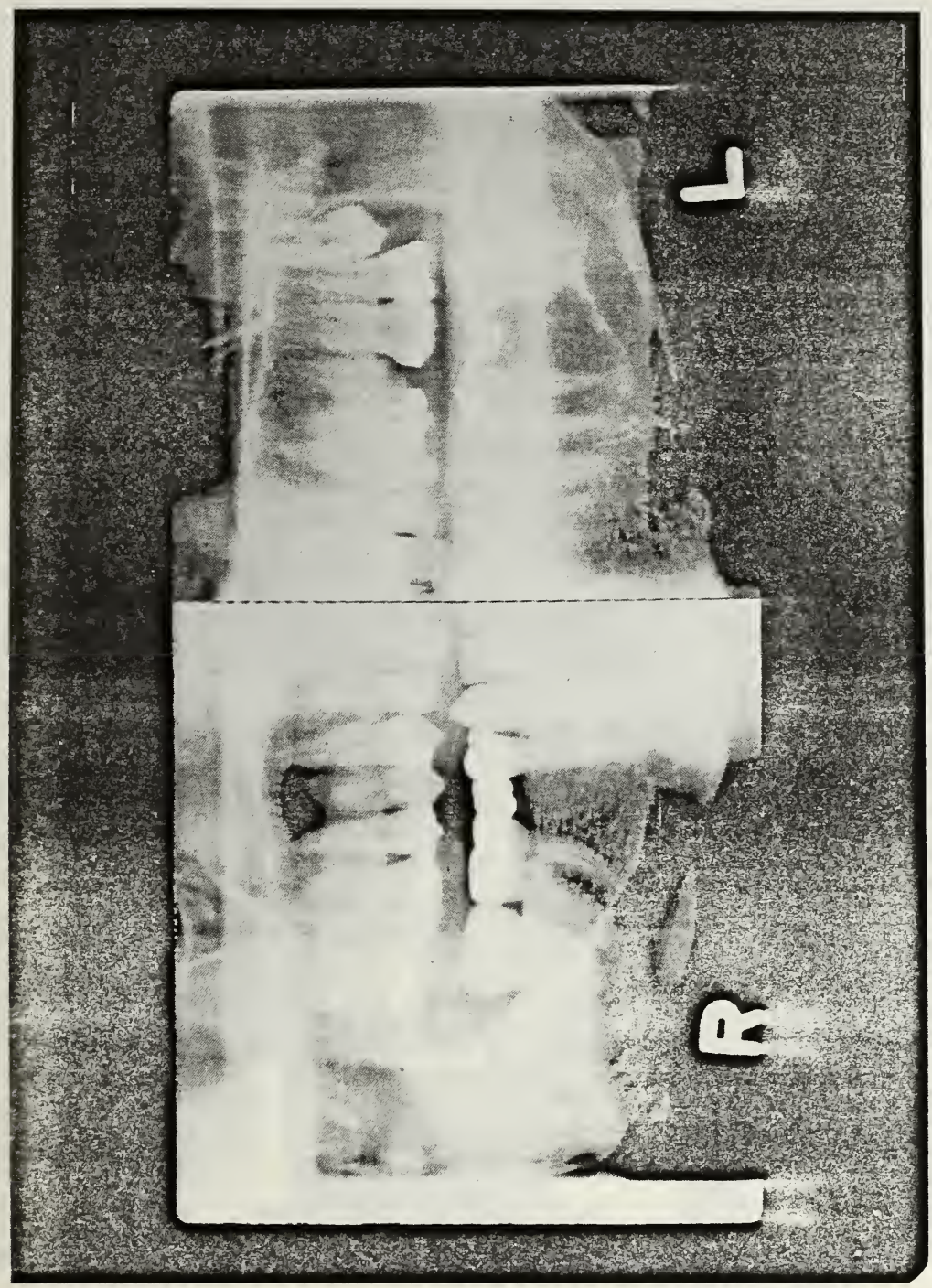




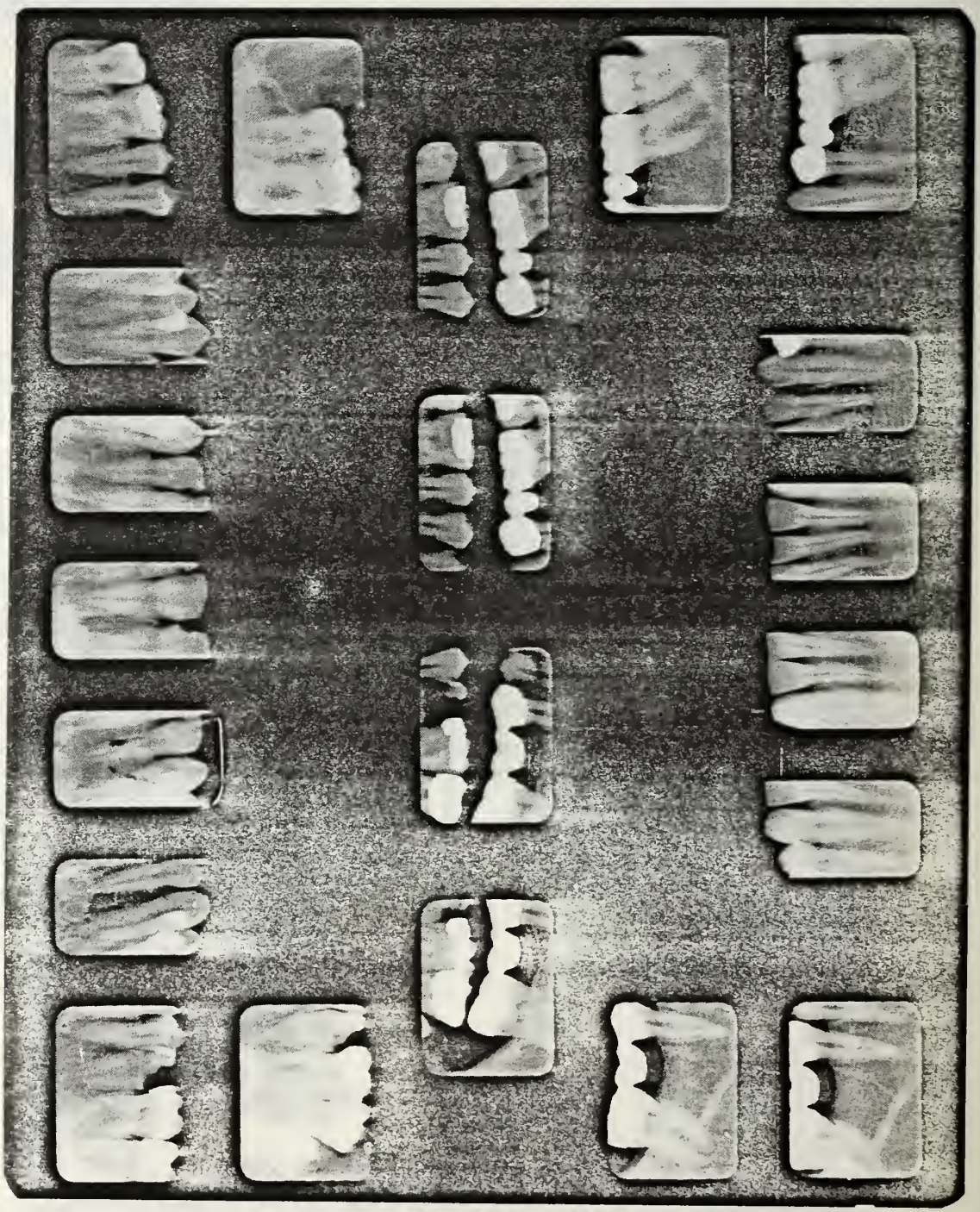




Case #18

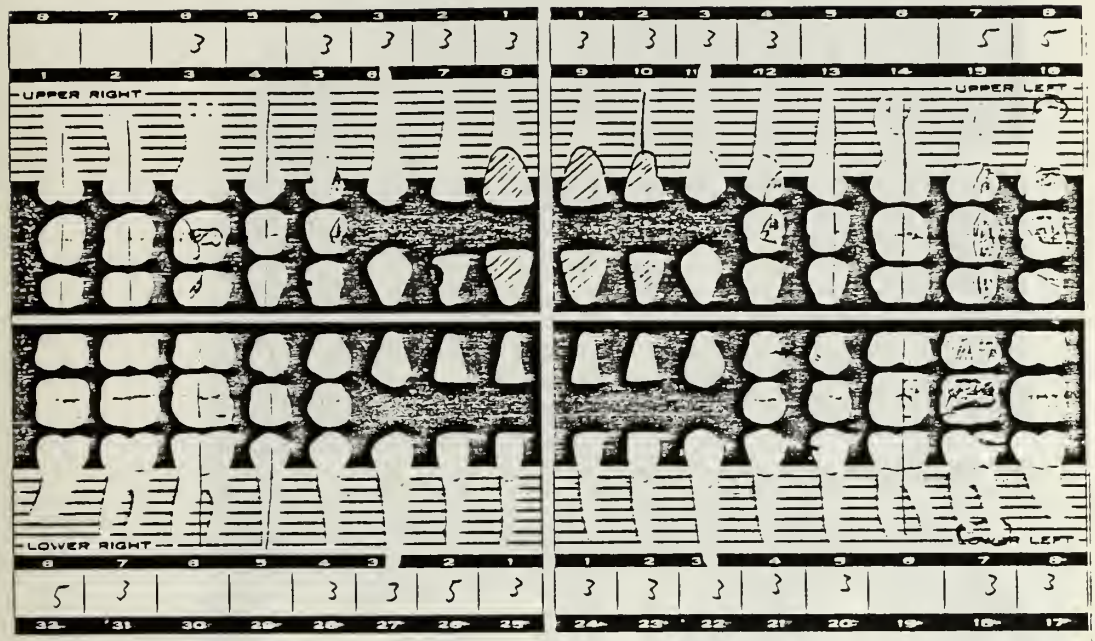


Case #18



Case #18

7531



RECOMMENDED TREATMENT

MOLD

SHADE

No mobile teeth
#18 Non-vital, ravelying of tooth
ATTRITION ON INCISALS OF #23 #24 #25 #26

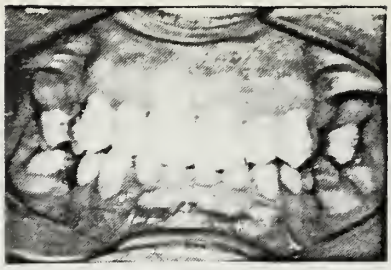
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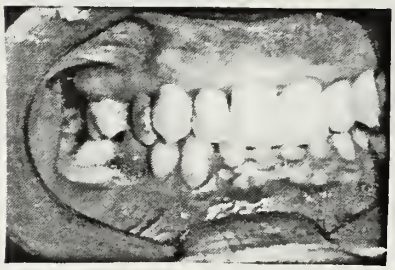
LOWER

CASE#: 7531
AGE: 30
SEX: MALE
RACE: WHITE

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Case #19

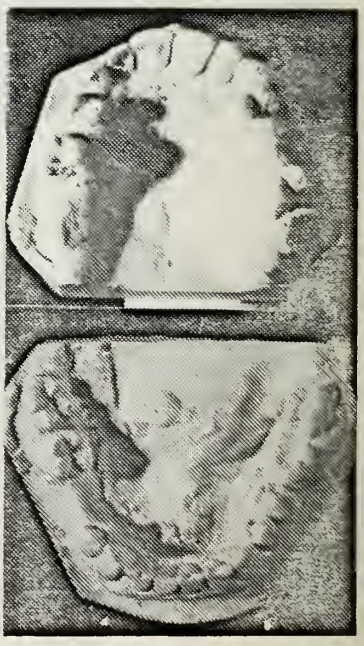




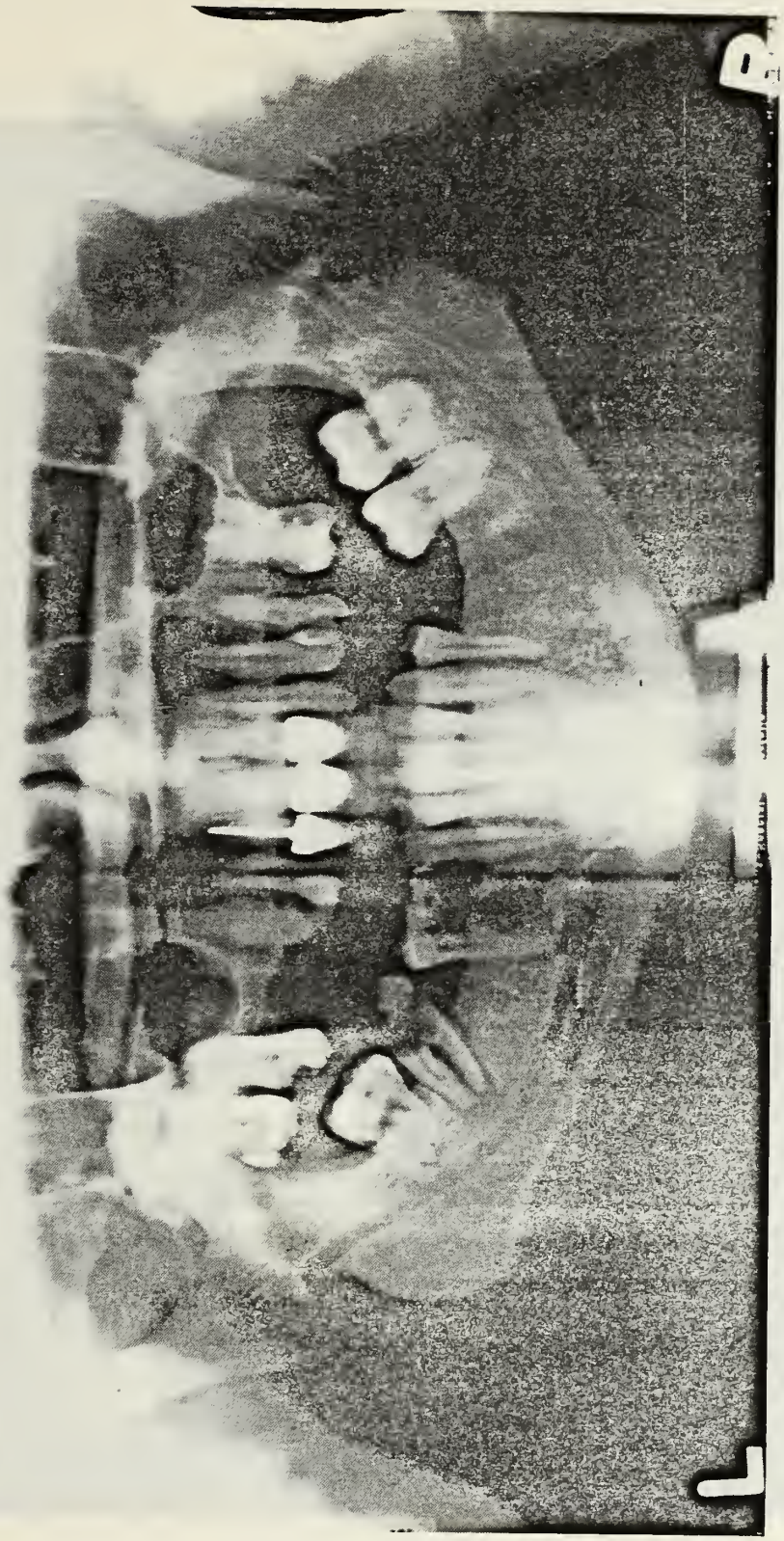




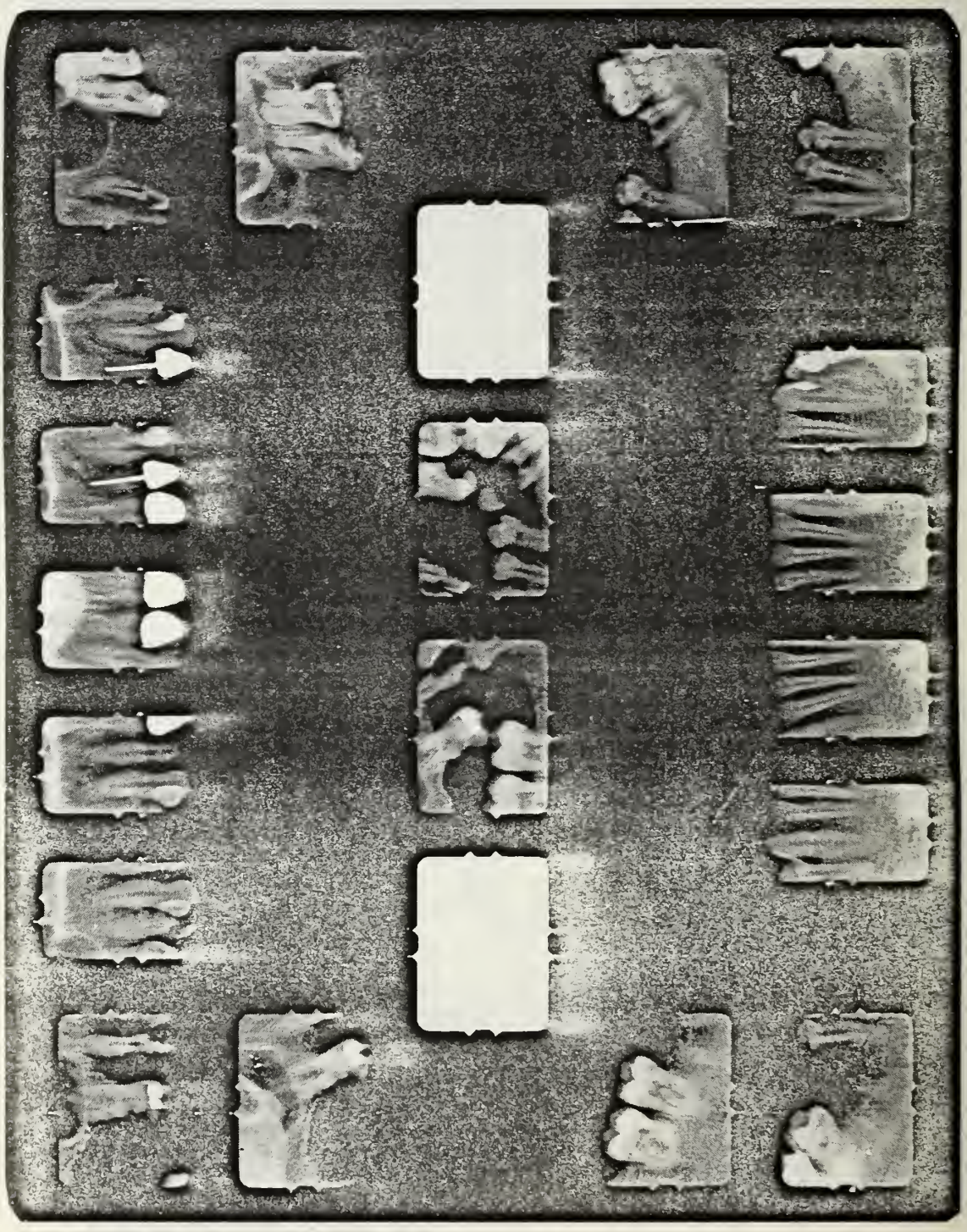




Case #19

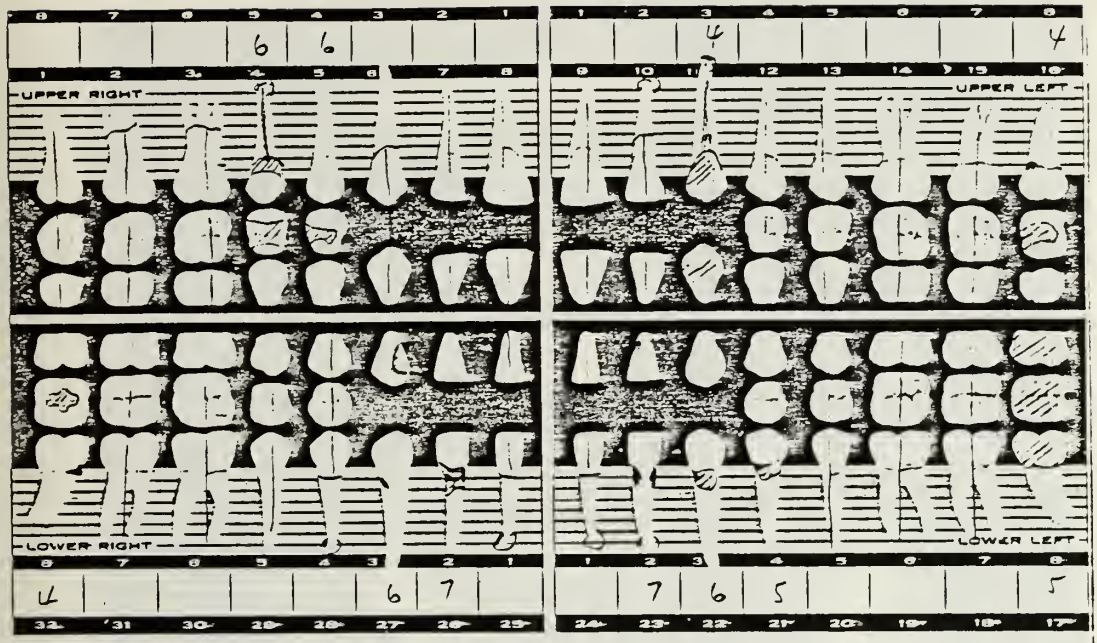


Case #19



Case #19

7532

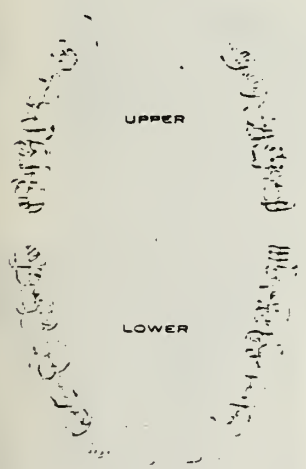


RECOMMENDED TREATMENT

MOLD

SHADE

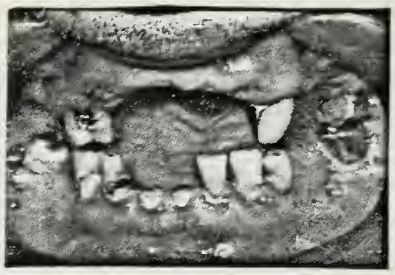
	Molds
6	2
5	2
11	2
12	2
13	2
21	3
22	3
23	3
24	3
25	2
32	2
	Root tips #2, 3, 6, 10, 22, 25, 28



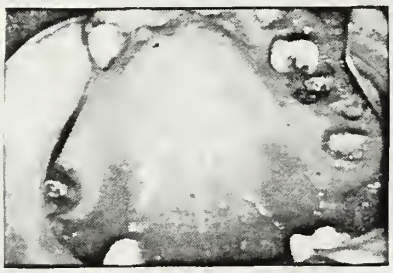
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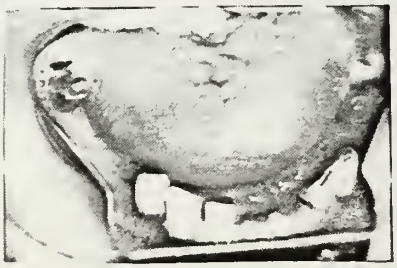
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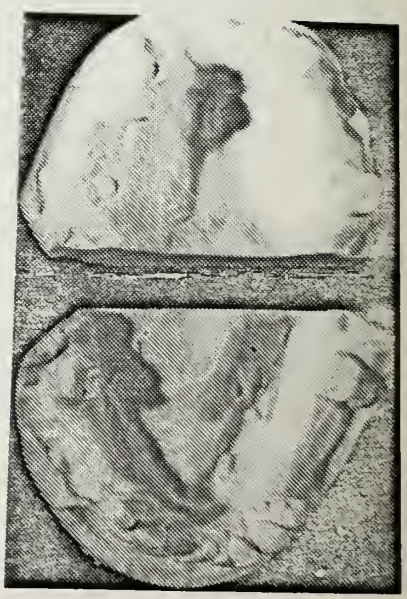
Case #20



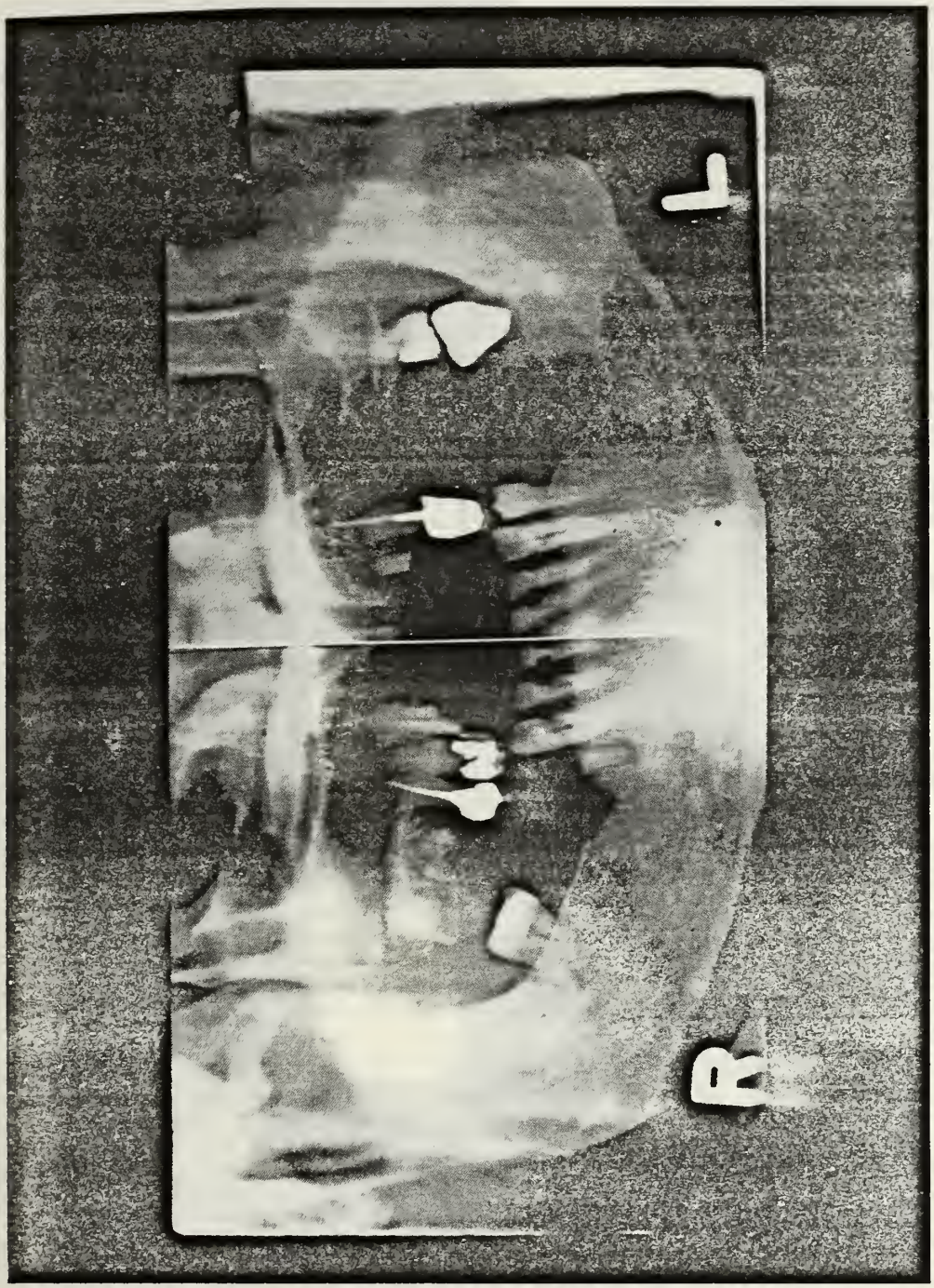




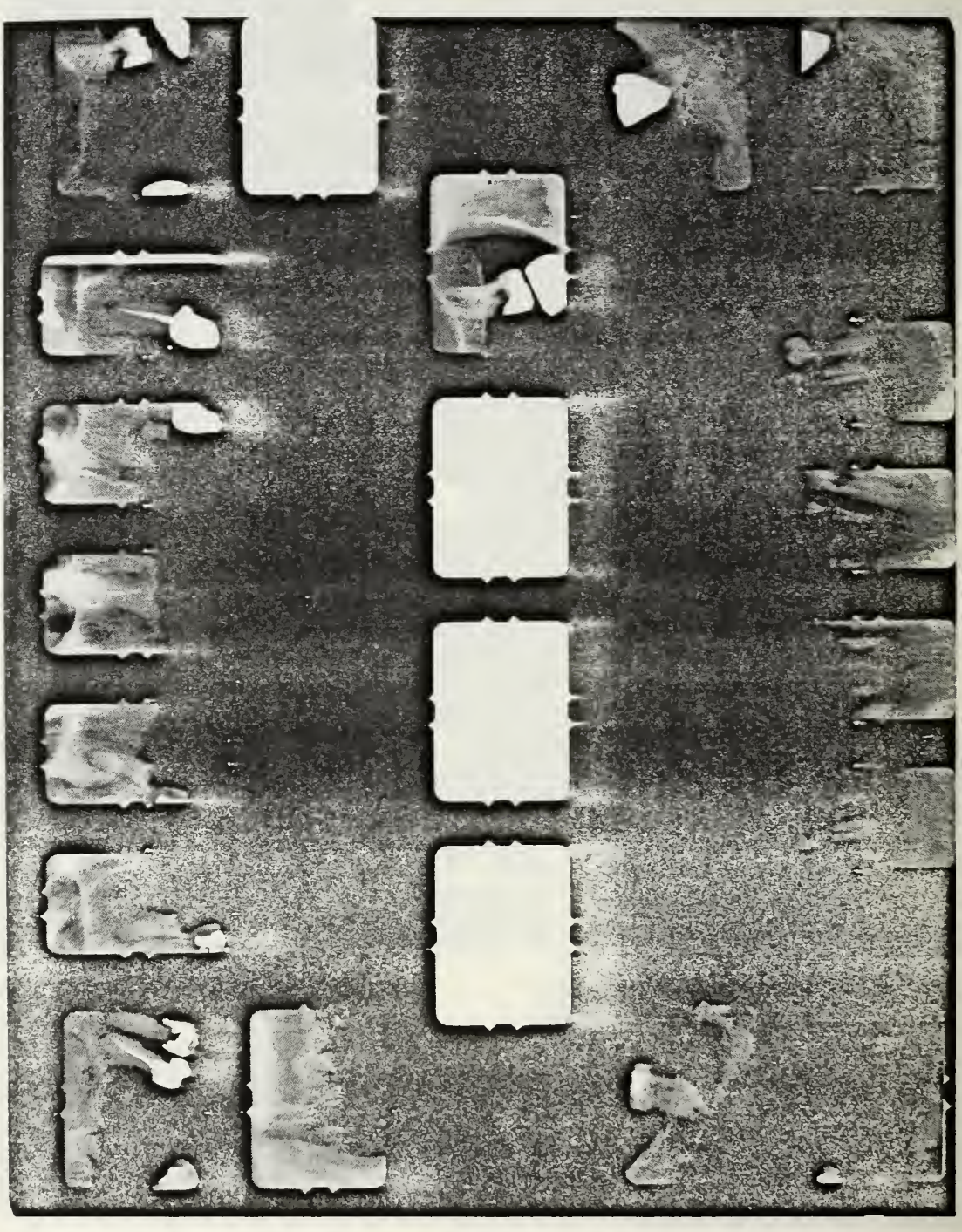




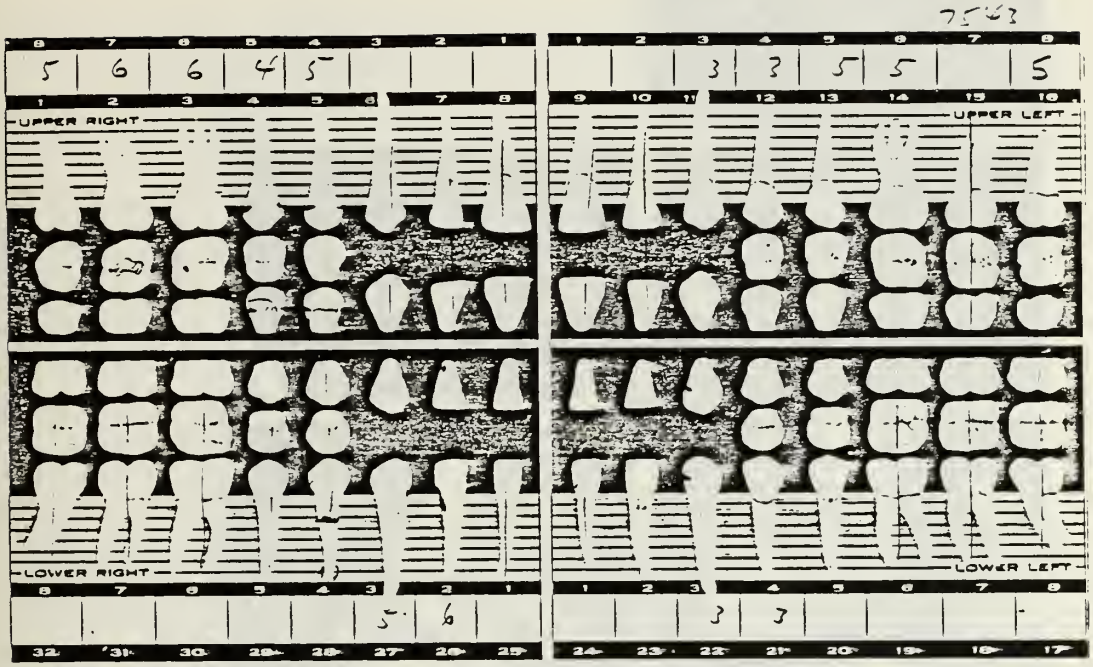
Case #20



Case #20



Case #20



RECOMMENDED TREATMENT

MOLD

SHADE

	Mobility
1	/
5	/
11	/
12	/
13	/
22	/
26	/
27	/

Periapical rarity in DStruct #28

UPPER

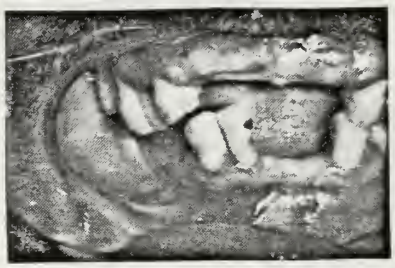
LOWER

CASE#: 7543
AGE: 31
SEX: MALE
RACE: SPANISH SURNAME

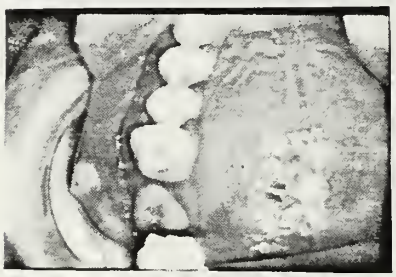
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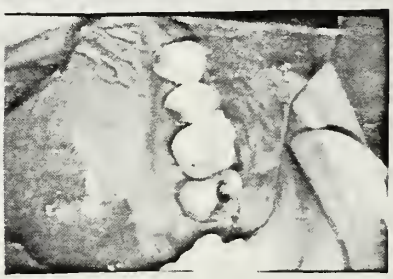
Case #21









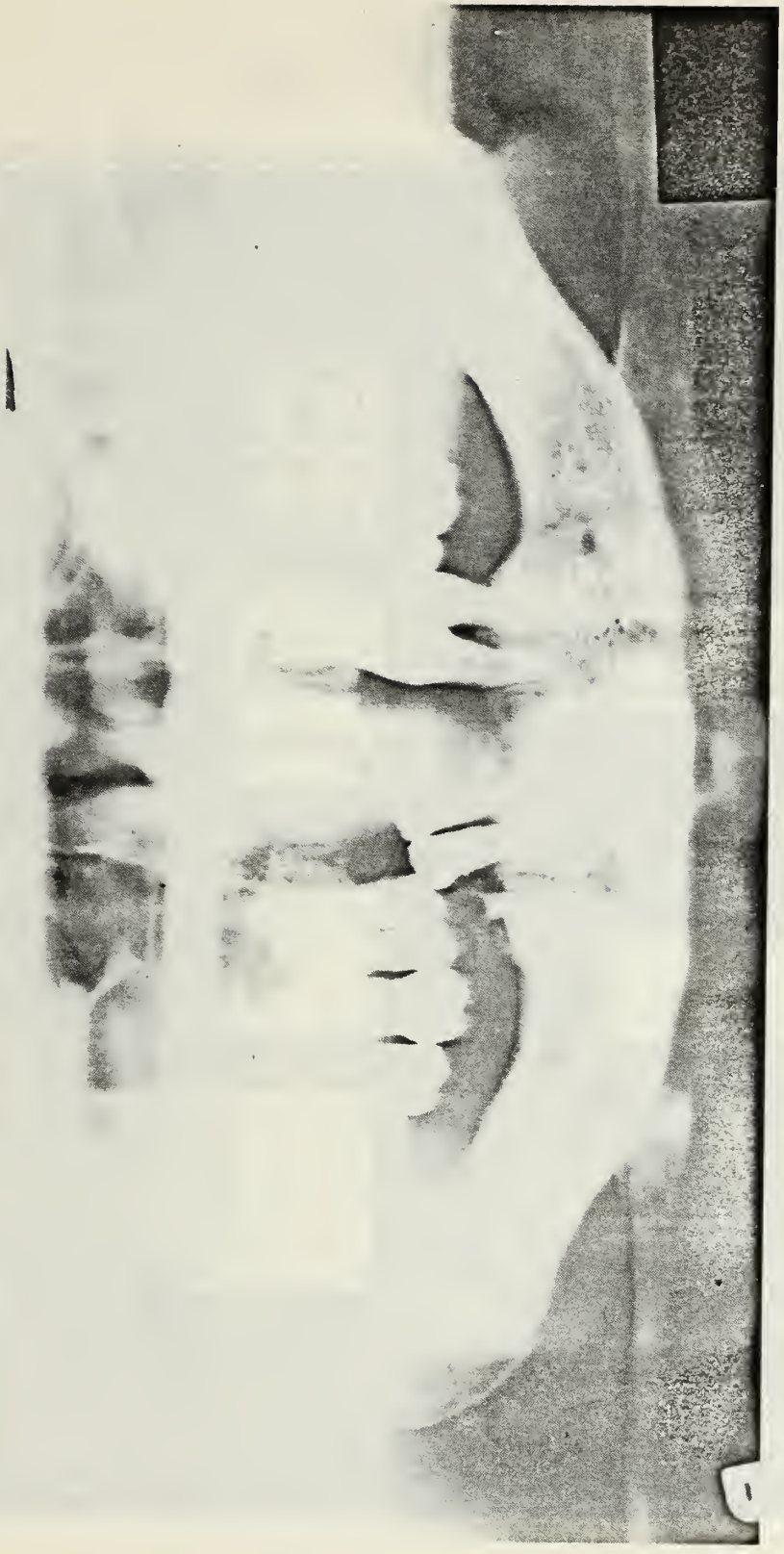




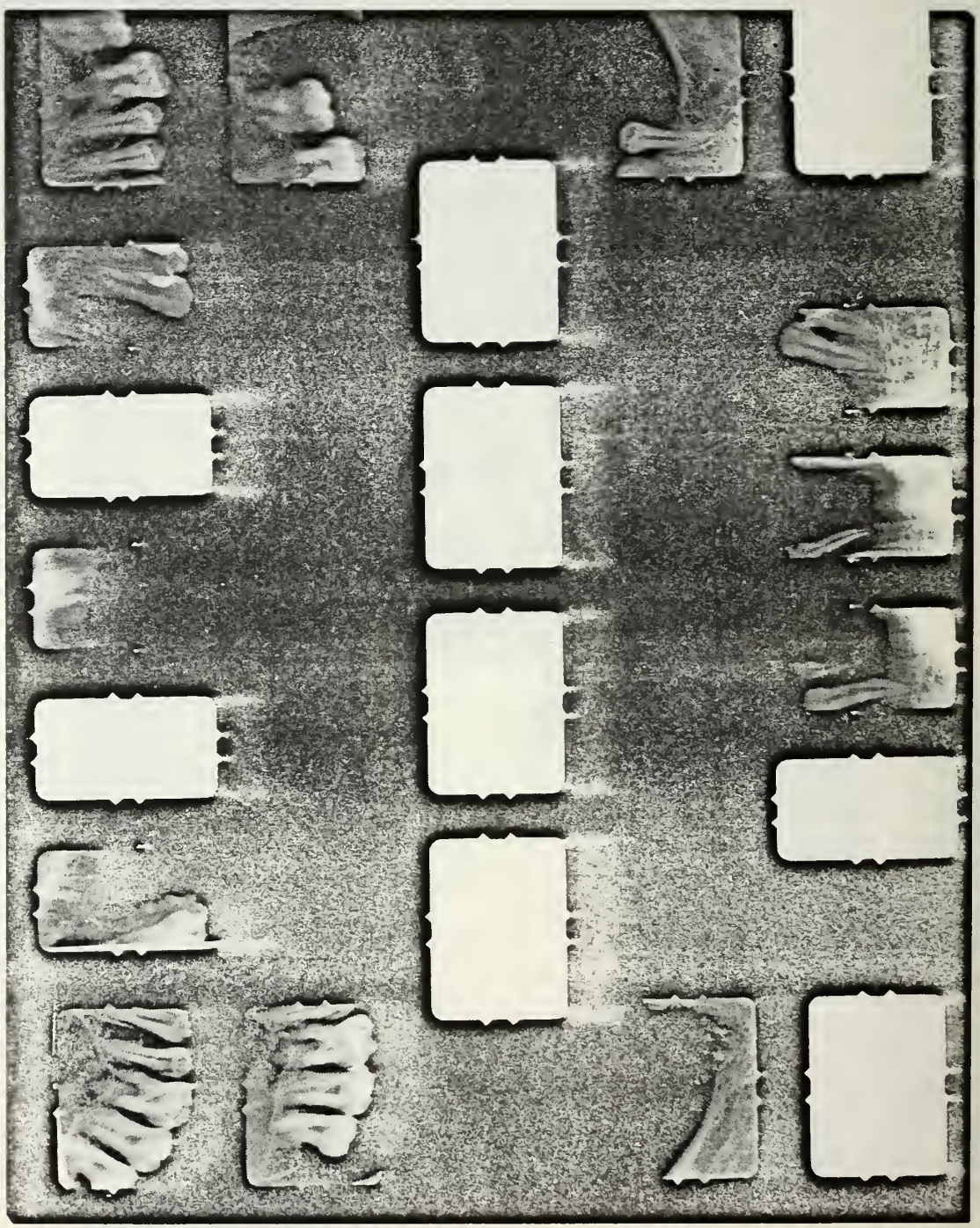




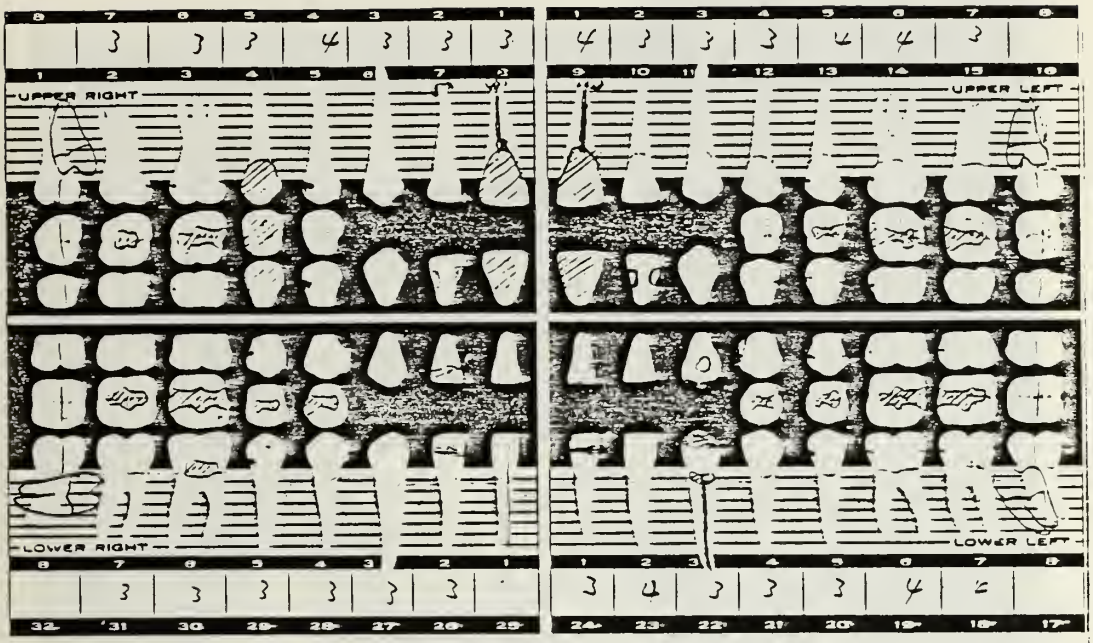
Case #21



Case #21



Case #21



RECOMMENDED TREATMENT

MOLD

SHADE

No mobile teeth
Periodontal referral re: #7,8,9
Severe attrition #24,25
Endodontal referral #1,16,17,32
TMJ precaution: clicking on both sides

UPPER

LOWER

CASE#: 7544
AGE: 32
SEX: MALE
RACE: WHITE

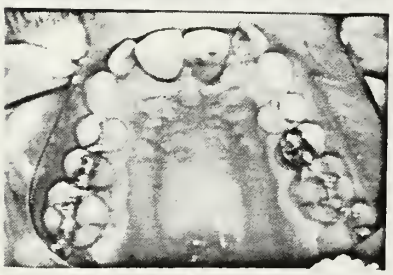
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Case #22



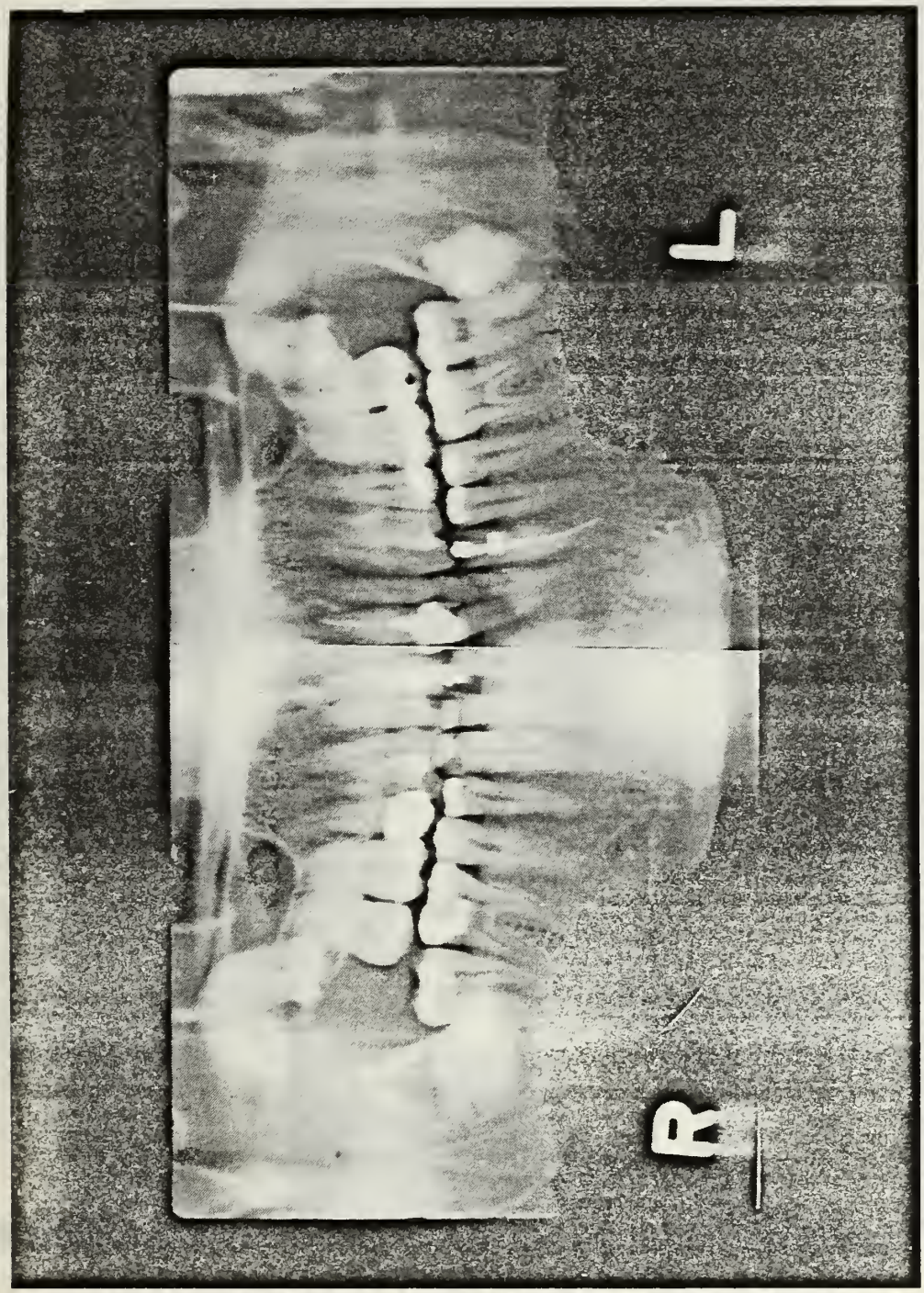




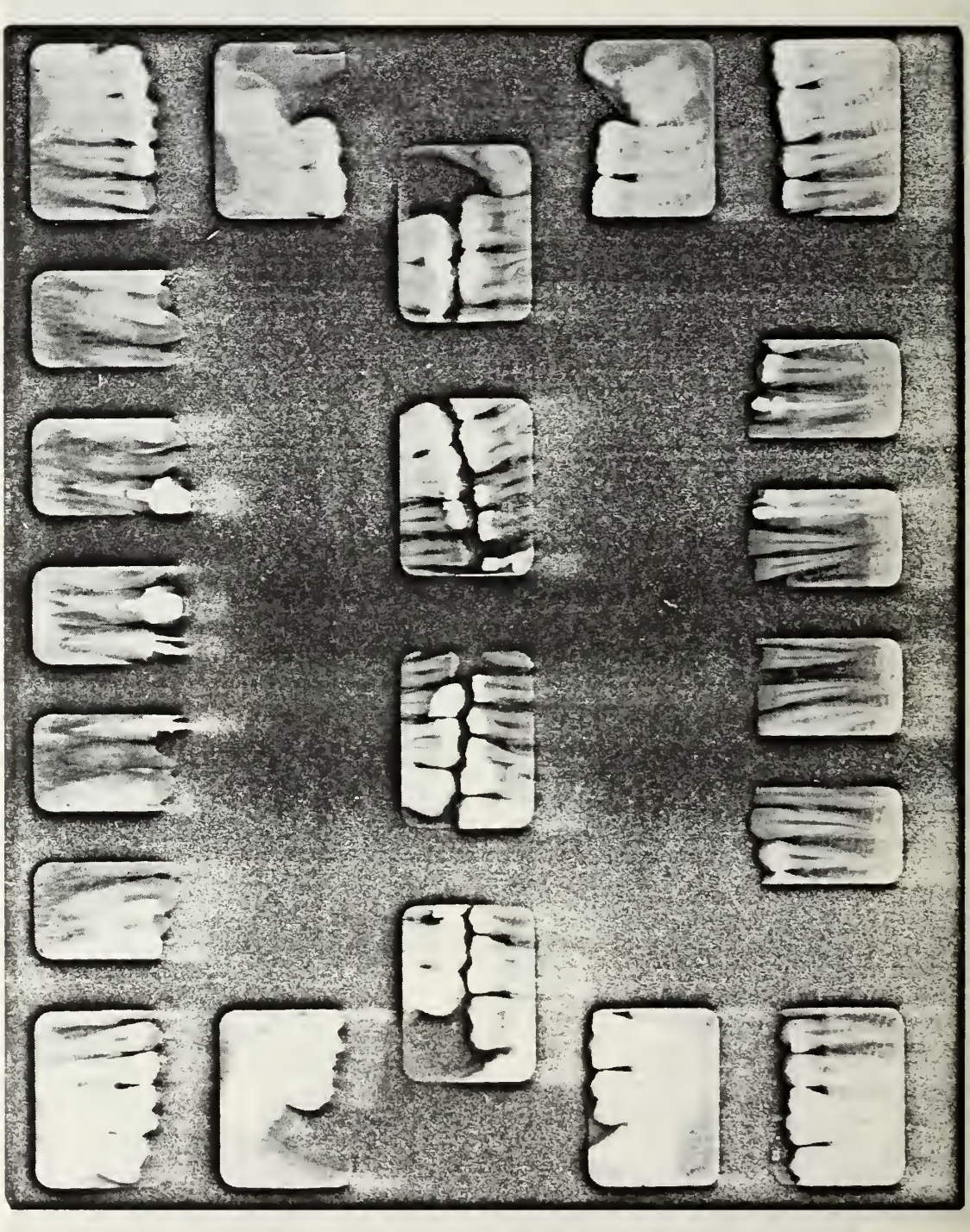




Case #22

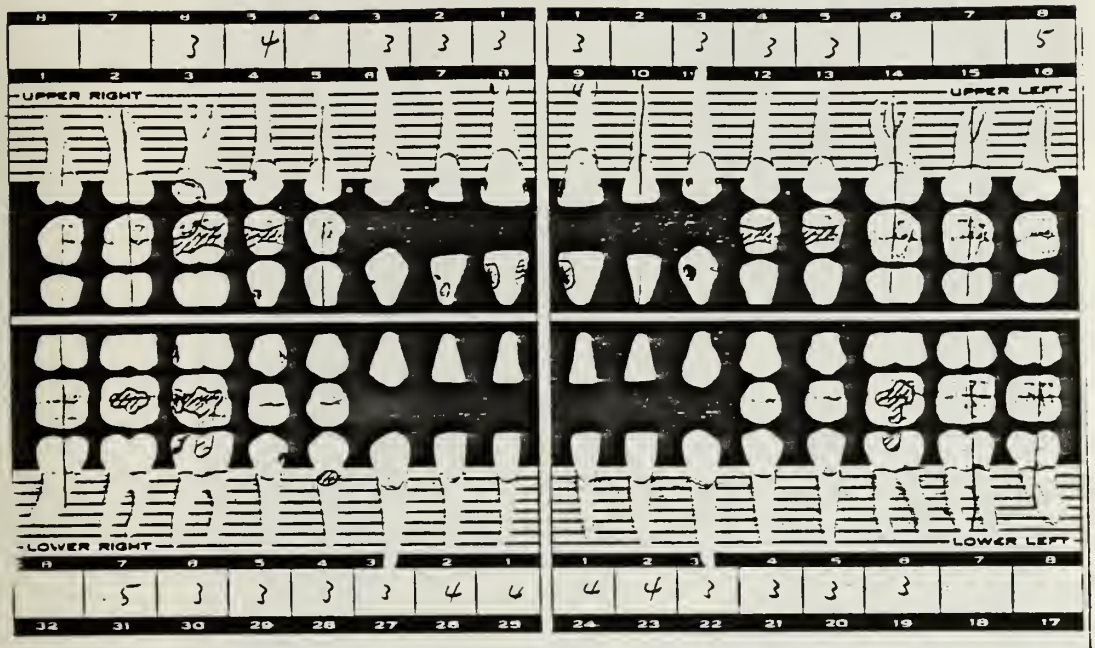


Case #22



Case #22

7554



RECOMMENDED TREATMENT

MOLD

SHADE

UPPER

LOWER

CASE# 7554
AGE: 26
SEX: MALE
RACE: WHITE

Mod. ↓ 3.
21 1
26 1
25 1
26 1
8, 9 non-vital
Periapical cavity to ostentis # 8, 9

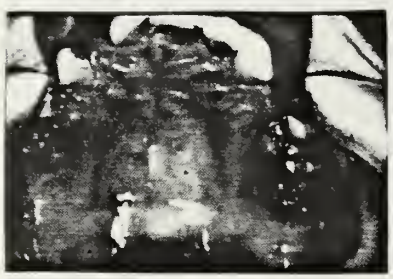
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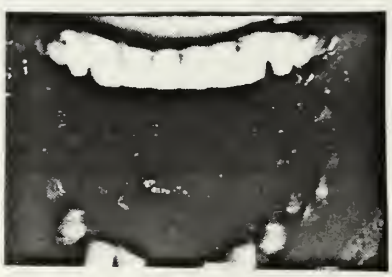
Case #23





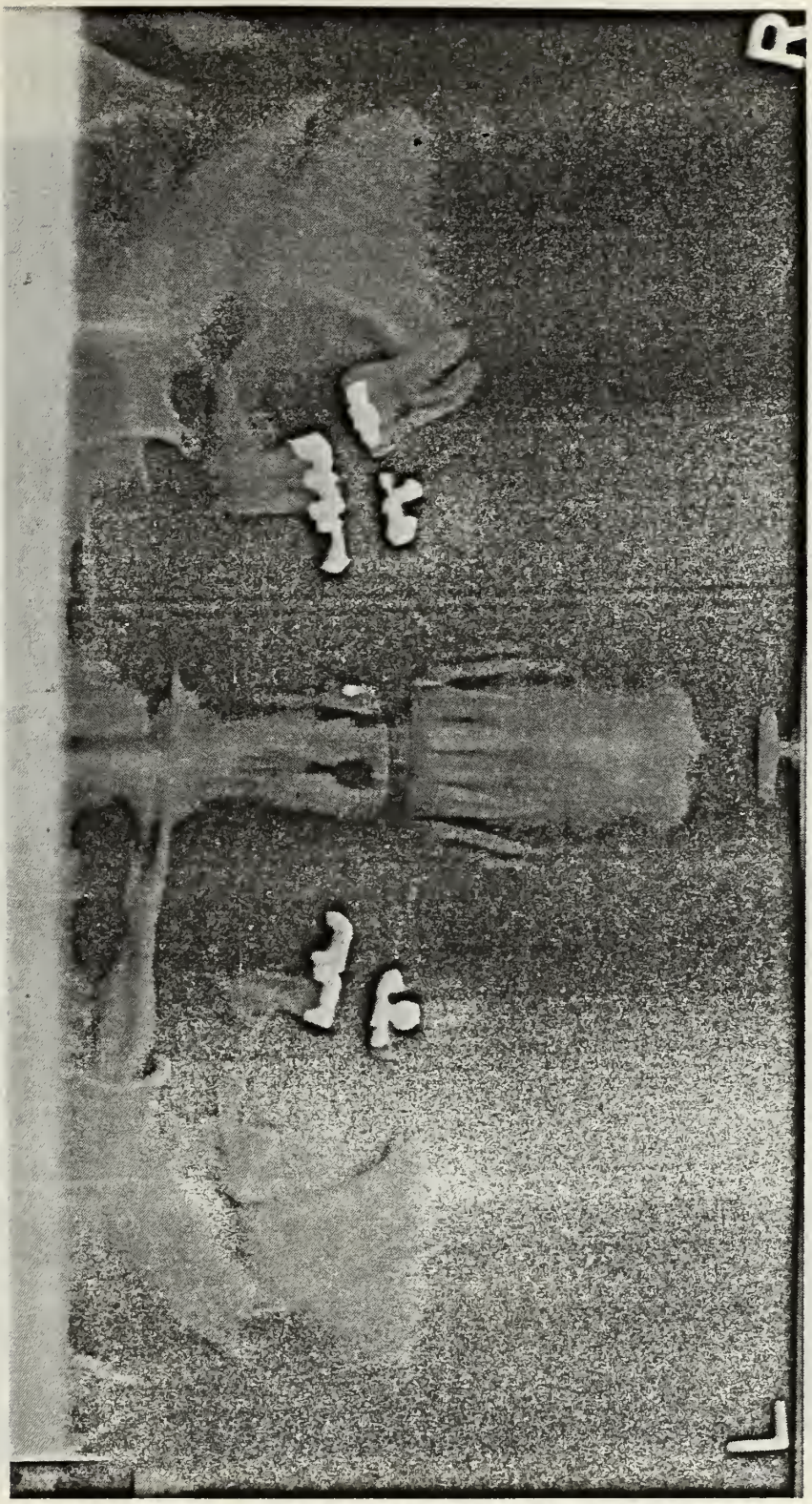




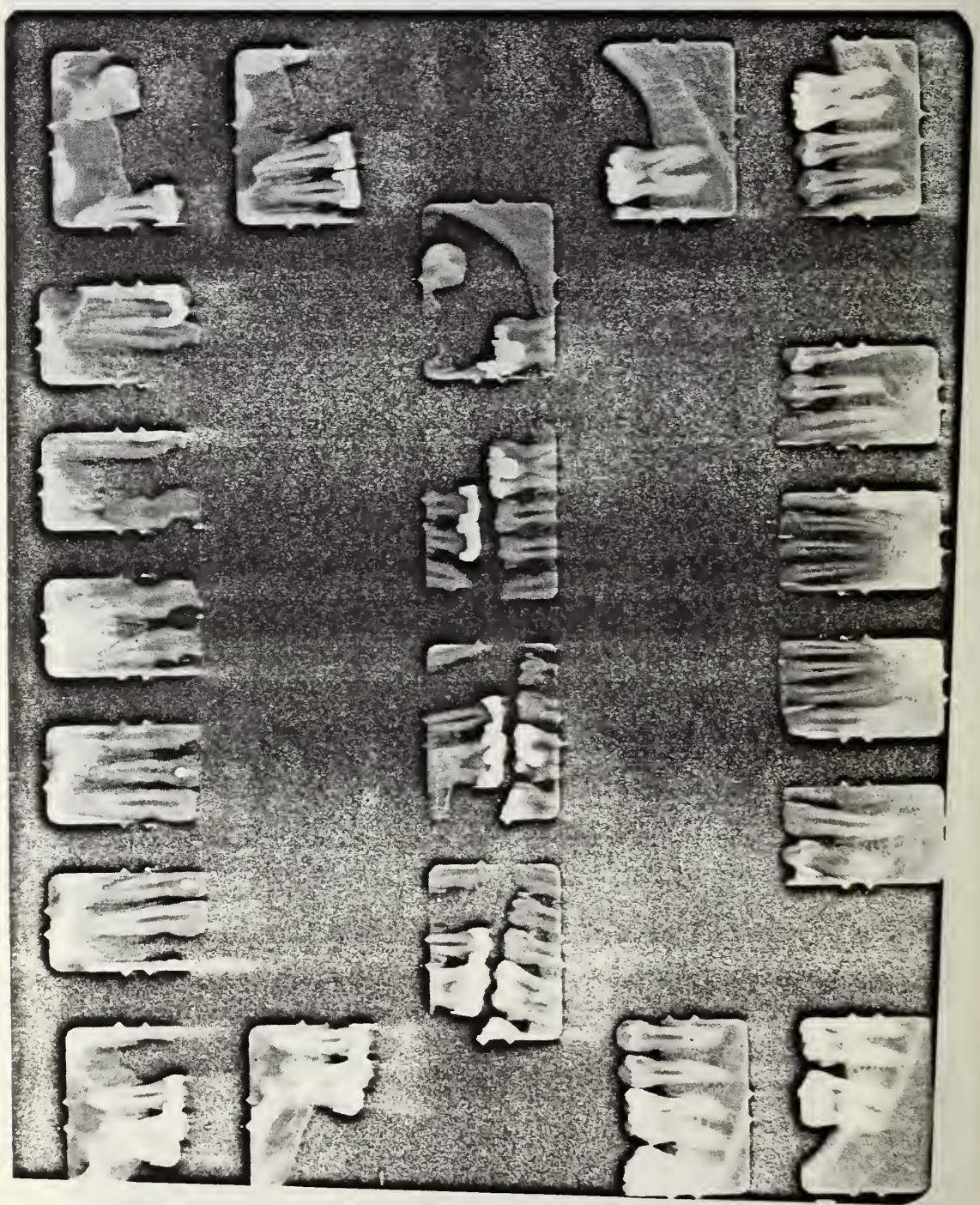




Case #23

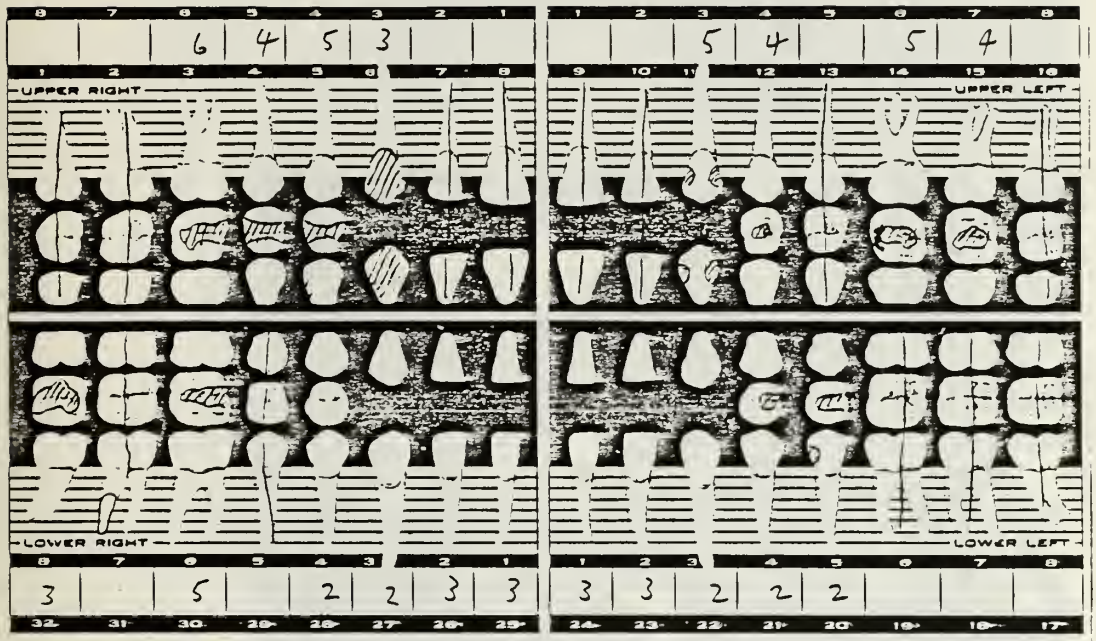


Case #23



Case #23

7557



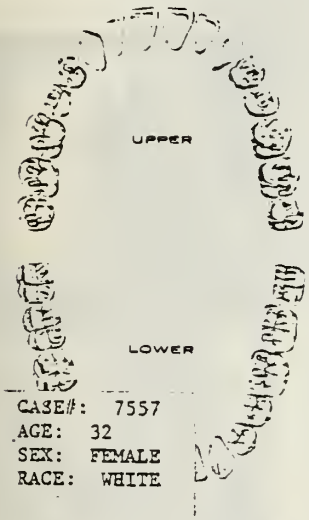
RECOMMENDED TREATMENT

MOLD

SHADE

No mobile teeth

ROOT TIP #31 (DISTAL)



CASE#: 7557
AGE: 32
SEX: FEMALE
RACE: WHITE

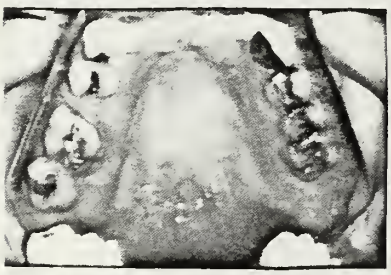
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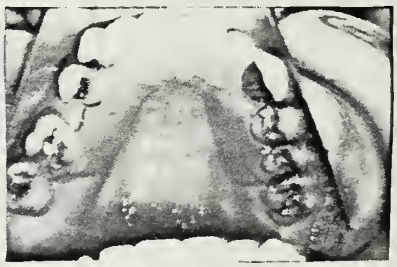
Case #24

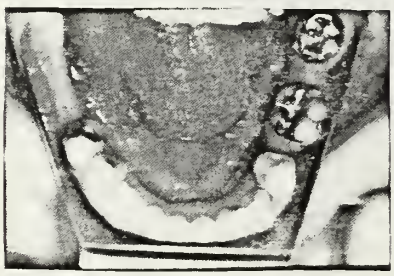








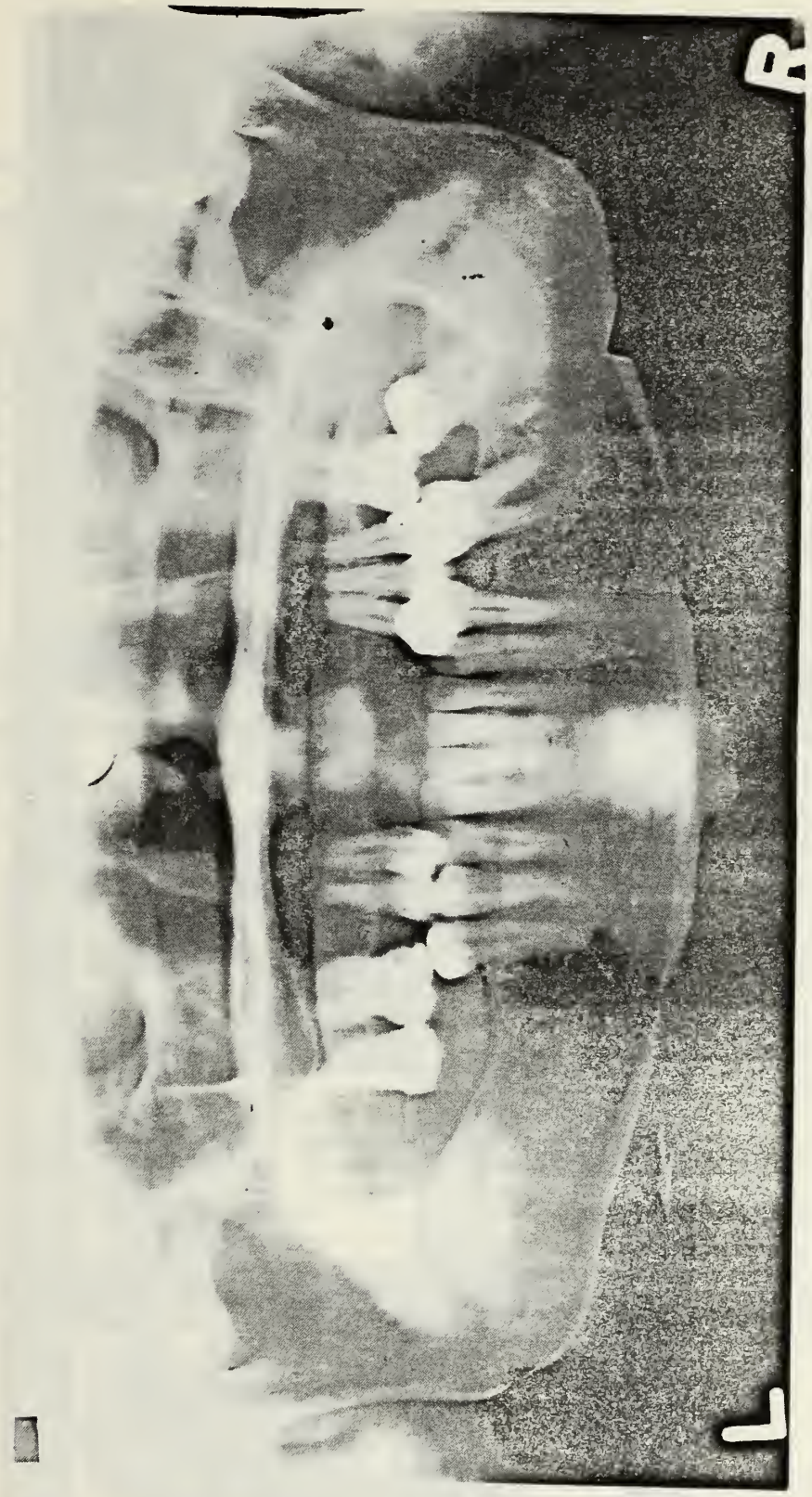




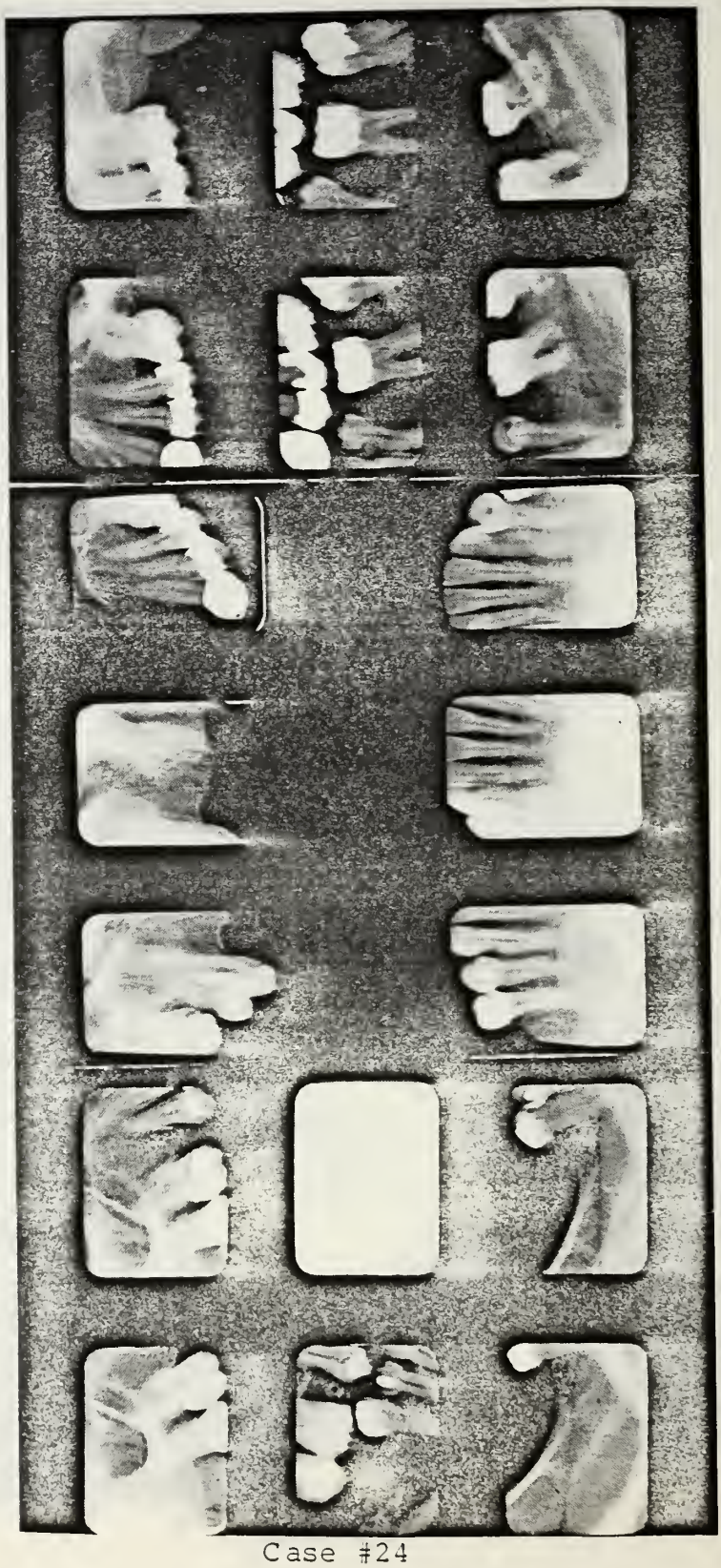




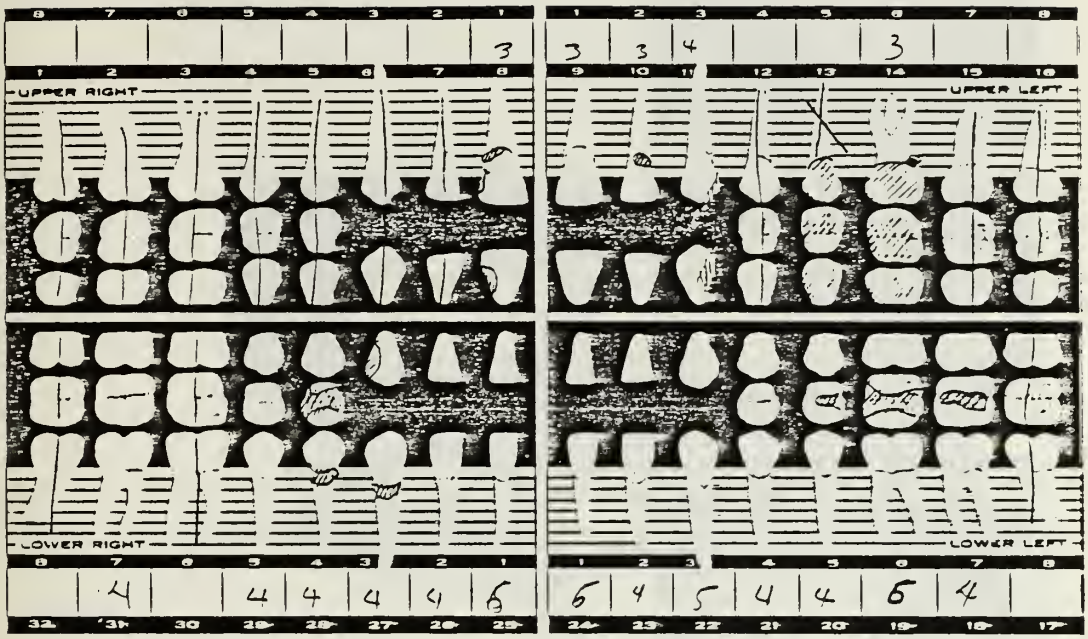
Case #24



Case #24



Case #24



7561
MOLD
SHADE

RECOMMENDED TREATMENT

Maxilla - #25 = 1
#24 = 1

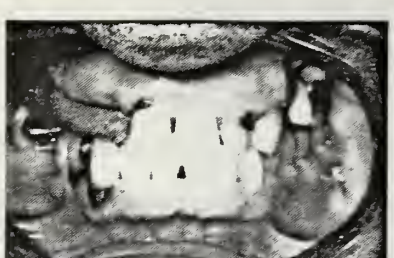
UPPER

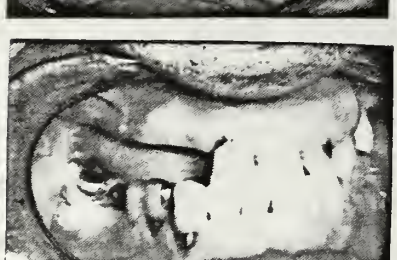
LOWER

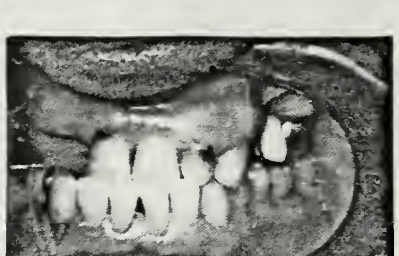
CASE#: 7561
AGE: 69
SEX: MALE
RACE: WHITE

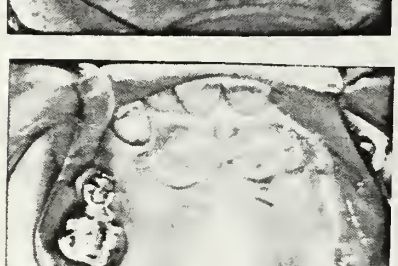
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Case #25







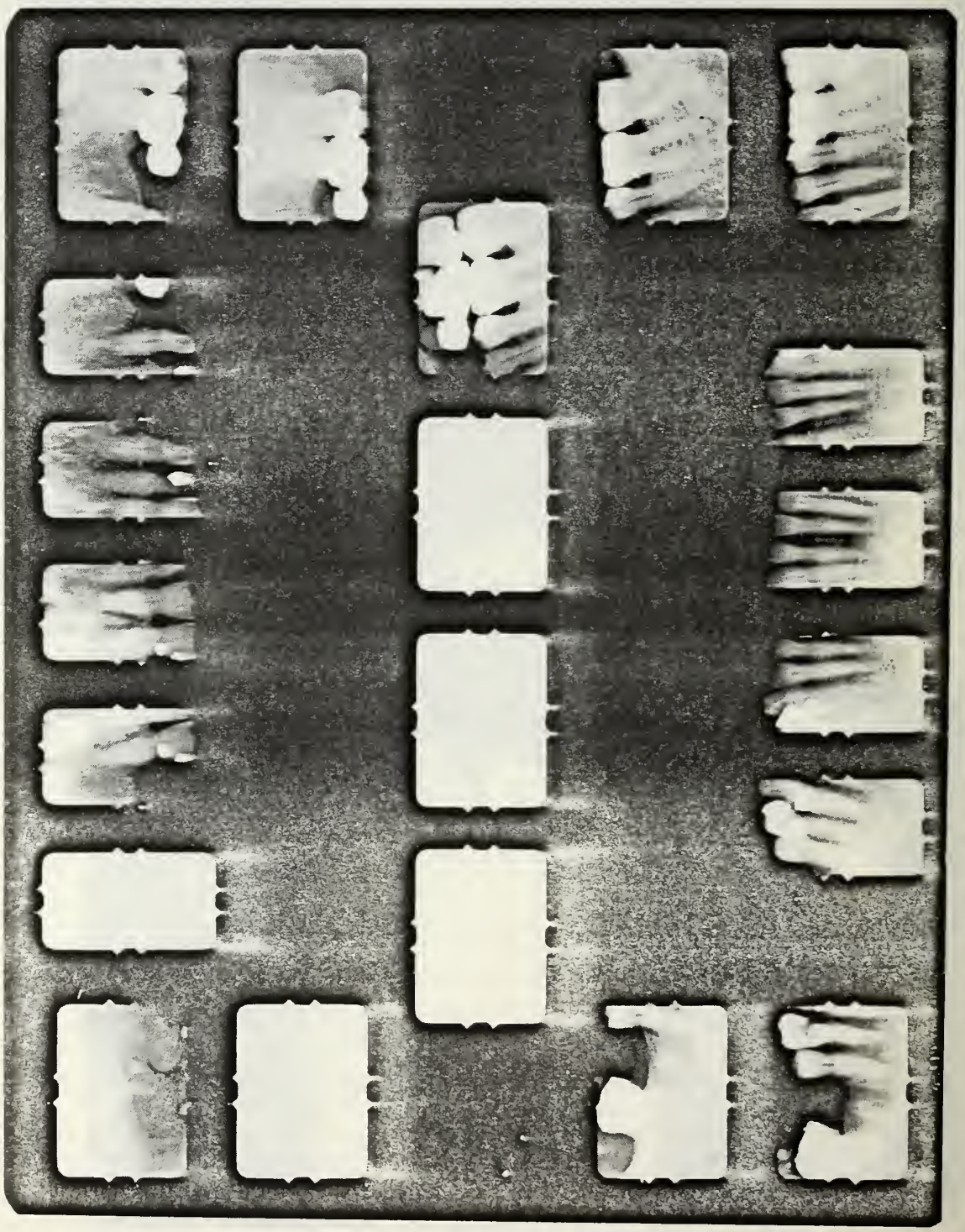




Case #25

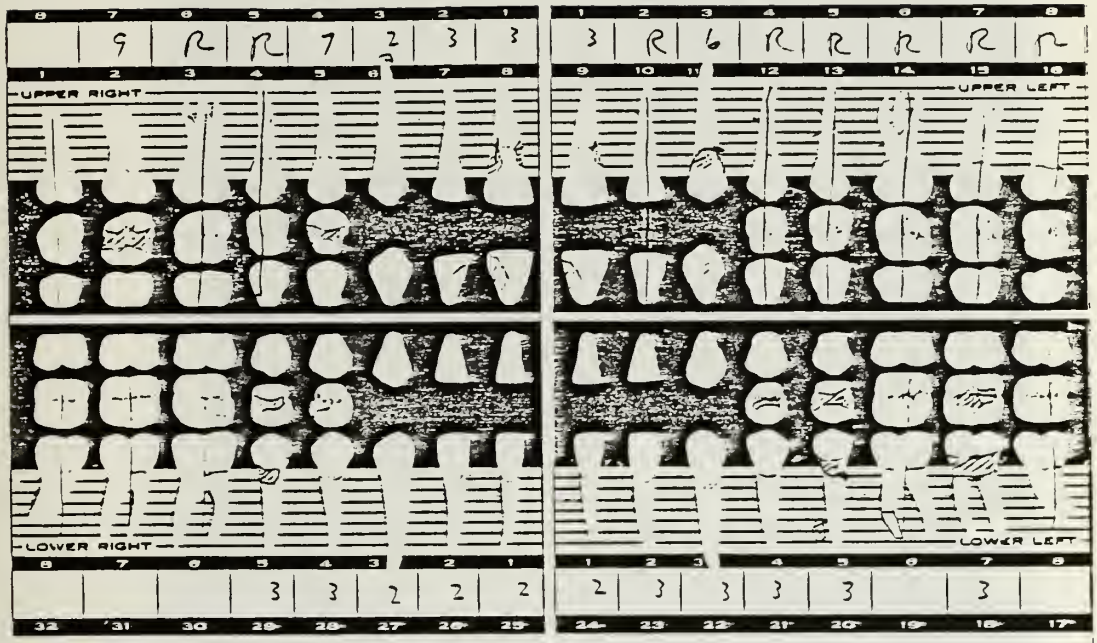


Case #25



Case #25

7563



RECOMMENDED TREATMENT

MOLD

SHADE

UPPER

LOWER

	Mod. L.T.			
2	– 2		21 – 1	
5	– 1		22 – 1	
6	– 1		23 – 1	
7	– 1		24 – 1	
8	– 2		25 – 1	
9	– 2		26 – 1	
11	– 2		27 – 1	
18	– 2		28 – 2	
20	1		29 – 1	

PERIAPICAL RPREFYING OSTEITIS #6

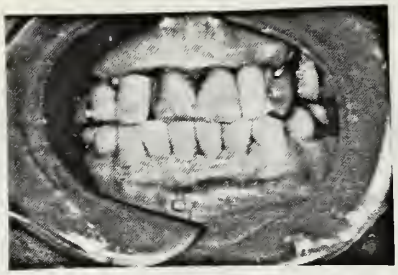
RETAINED ROOT TIP #19

#7 TEMPORARY, PFM CROWN IN PROGRESS

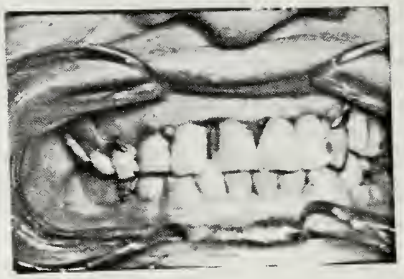
CASE#: 7563
AGE: 75
SEX: FEMALE
RACE: WHITE

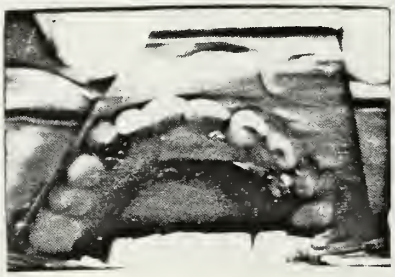
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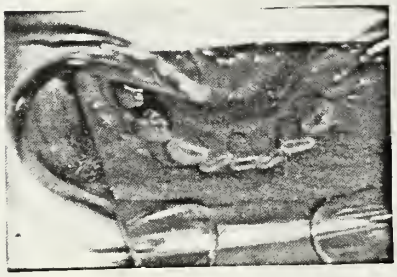
Case #26

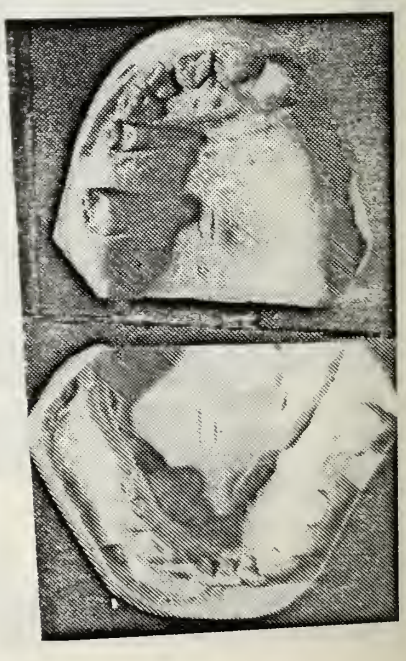




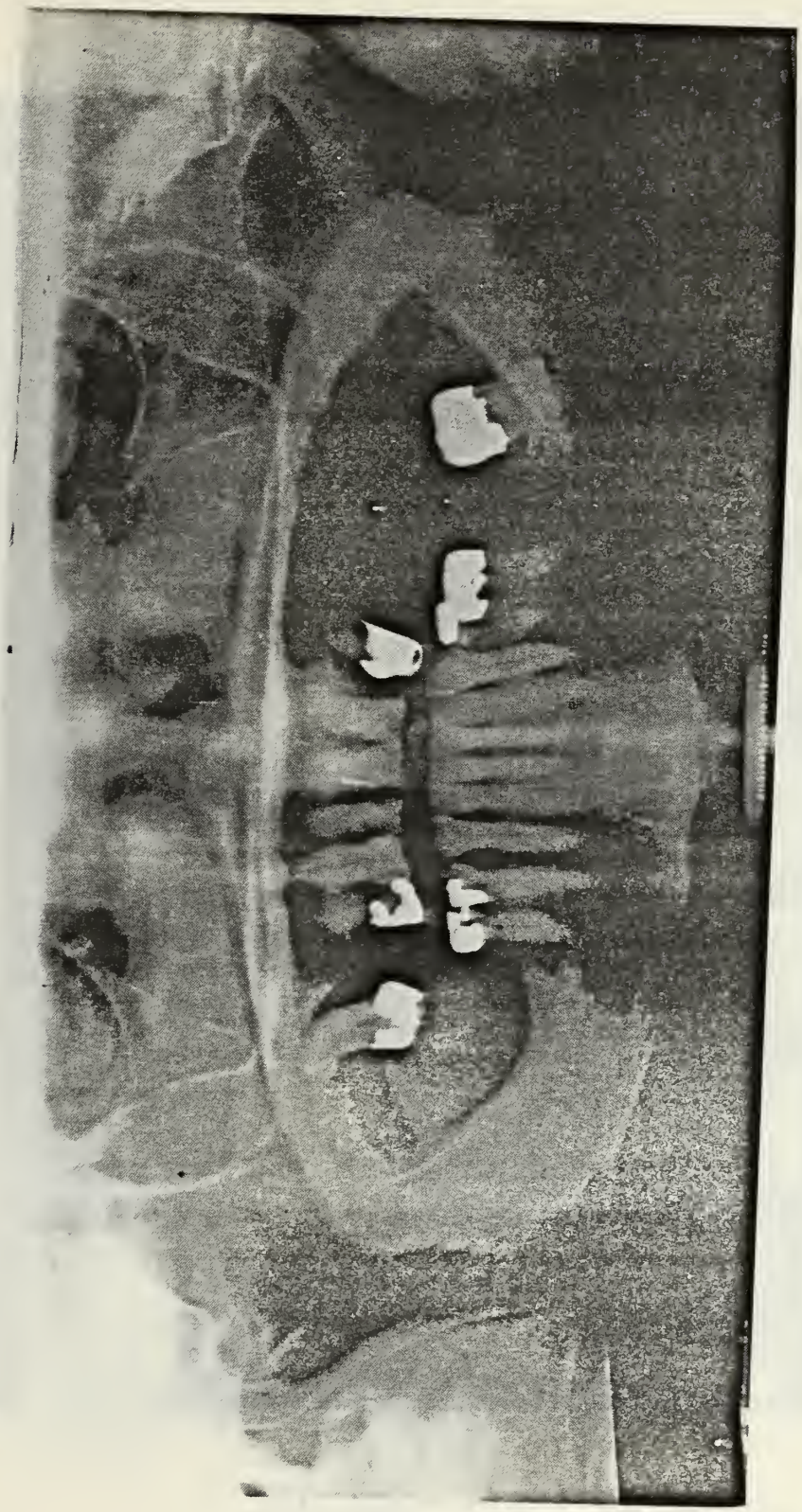




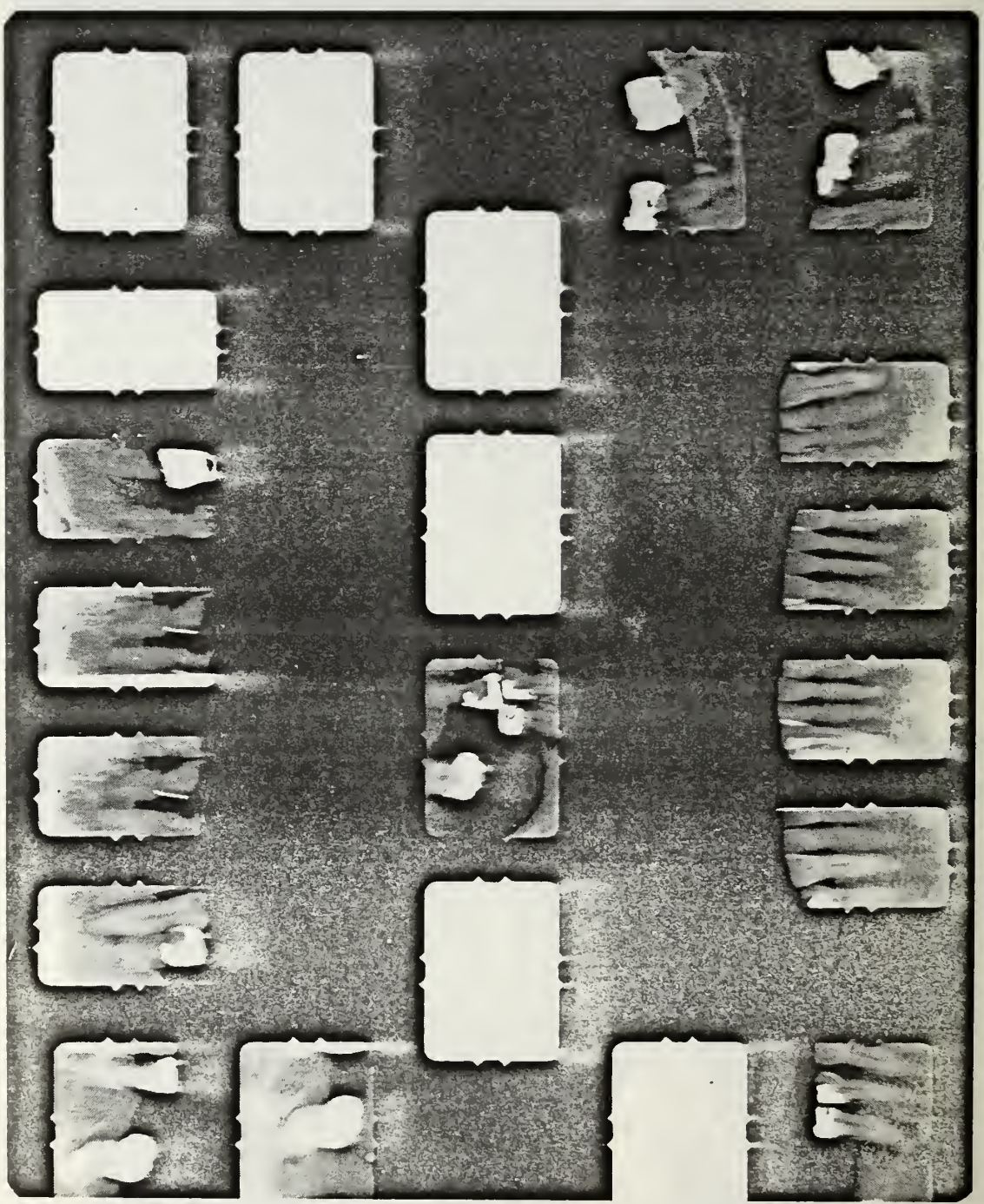




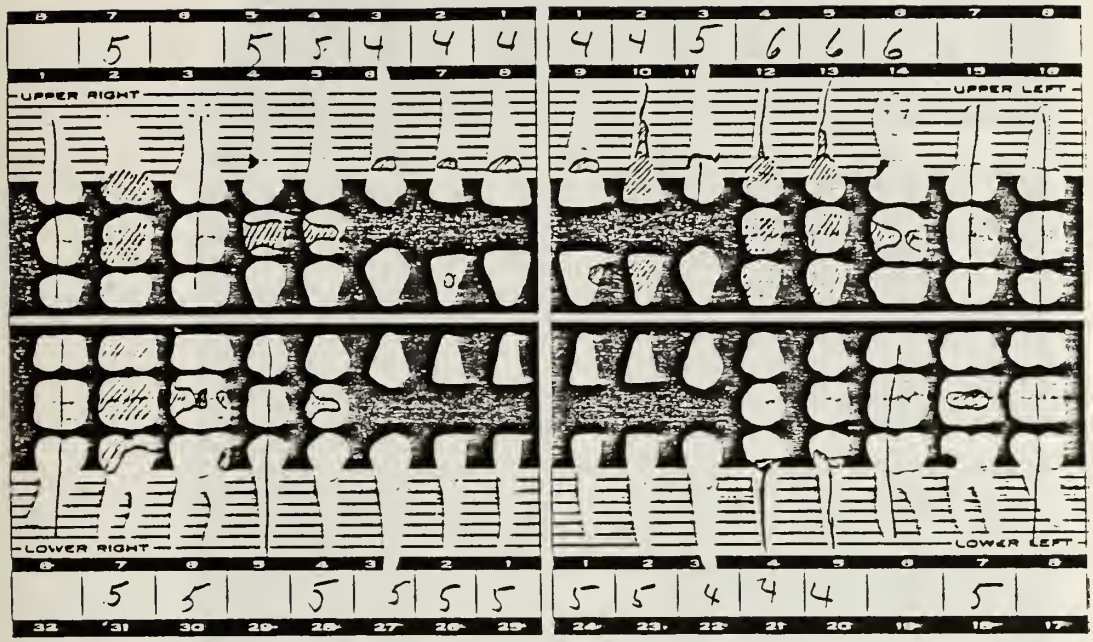
Case #26



Case #26



Case #26



7566

MOLD

SHADE

RECOMMENDED TREATMENT

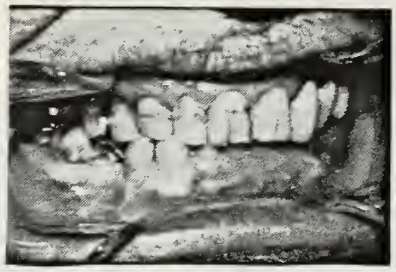
UPPER

LOWER

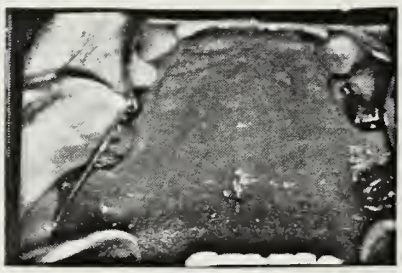
CASE#: 7566
AGE: 61
SEX: FEMALE
RACE: WHITE

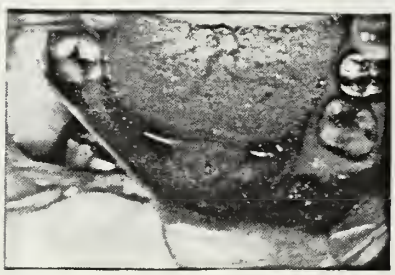
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Case #27



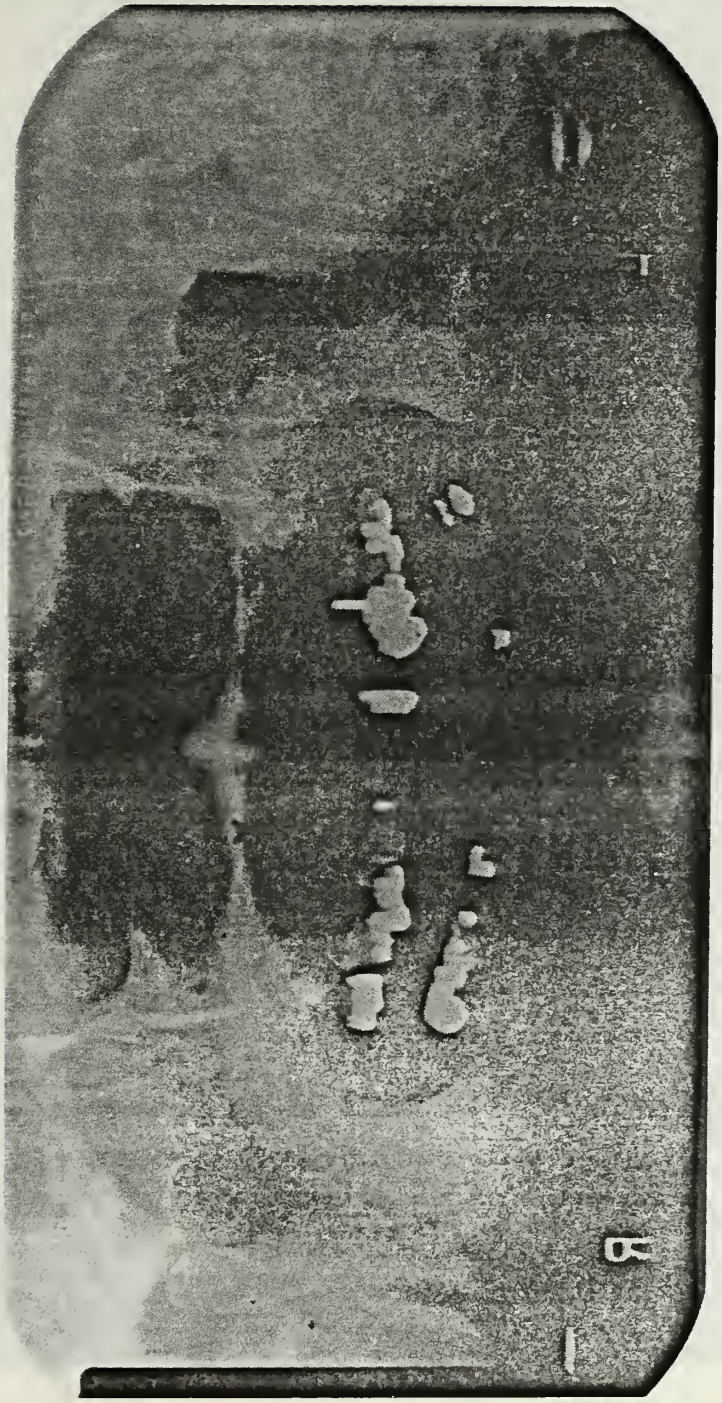






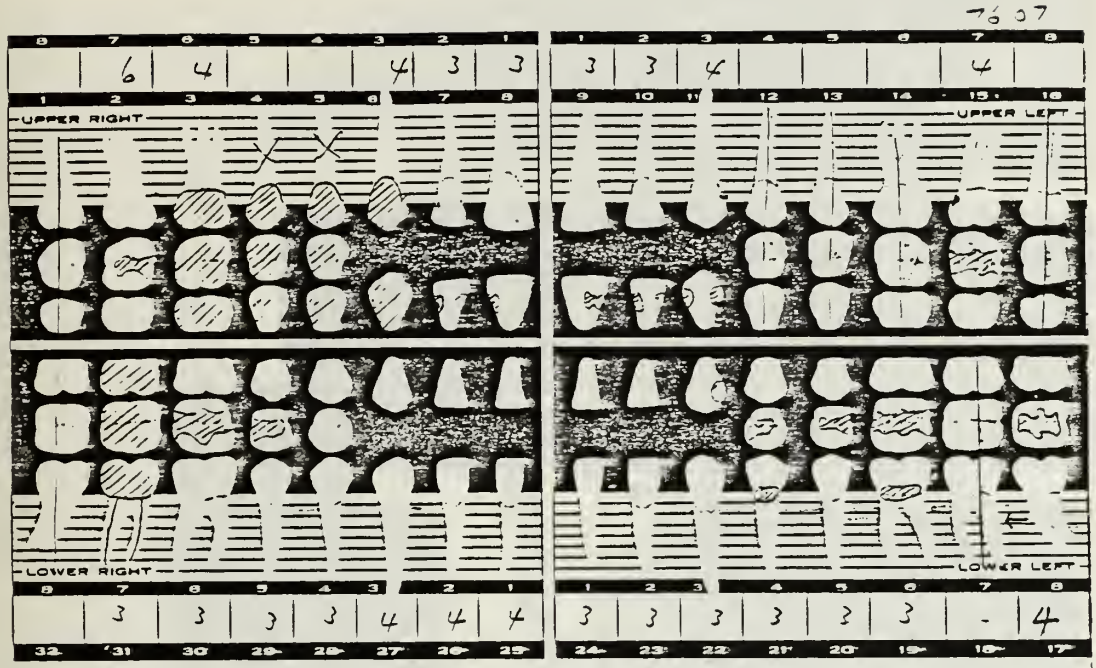


Case #27



Case #27

Case #27



RECOMMENDED TREATMENT

MOLD

SHADE

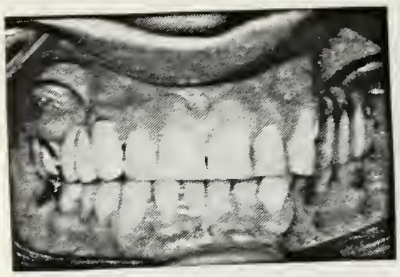
UPPER

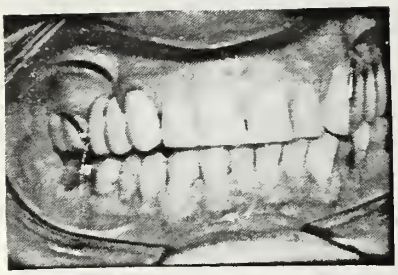
LOWER

CASE#: 7607
AGE: 39
SEX: MALE
RACE: WHITE

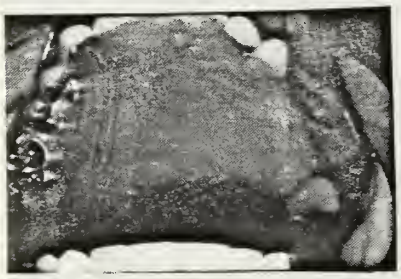
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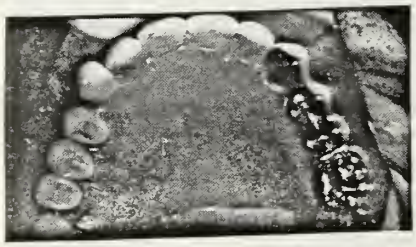
Case #28



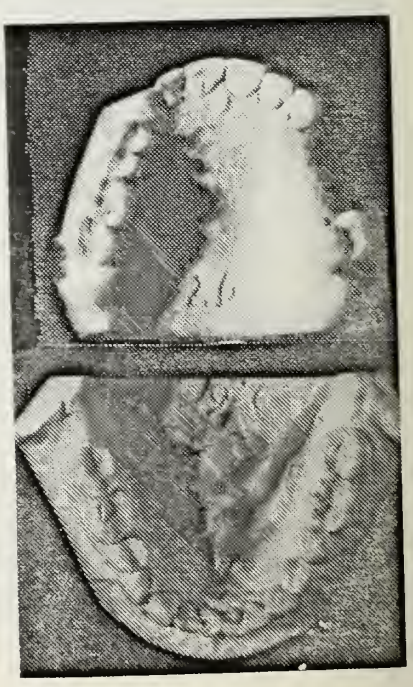




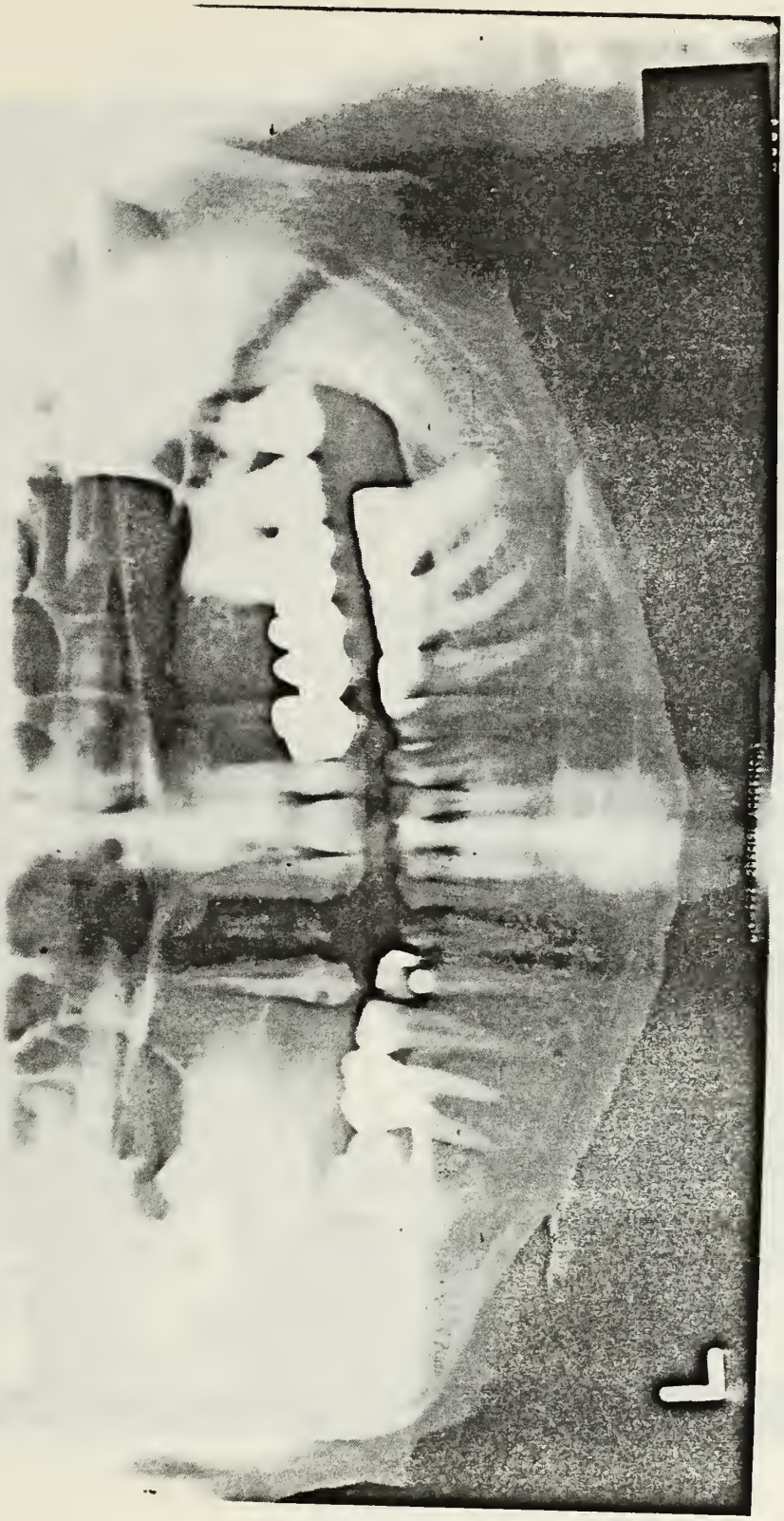




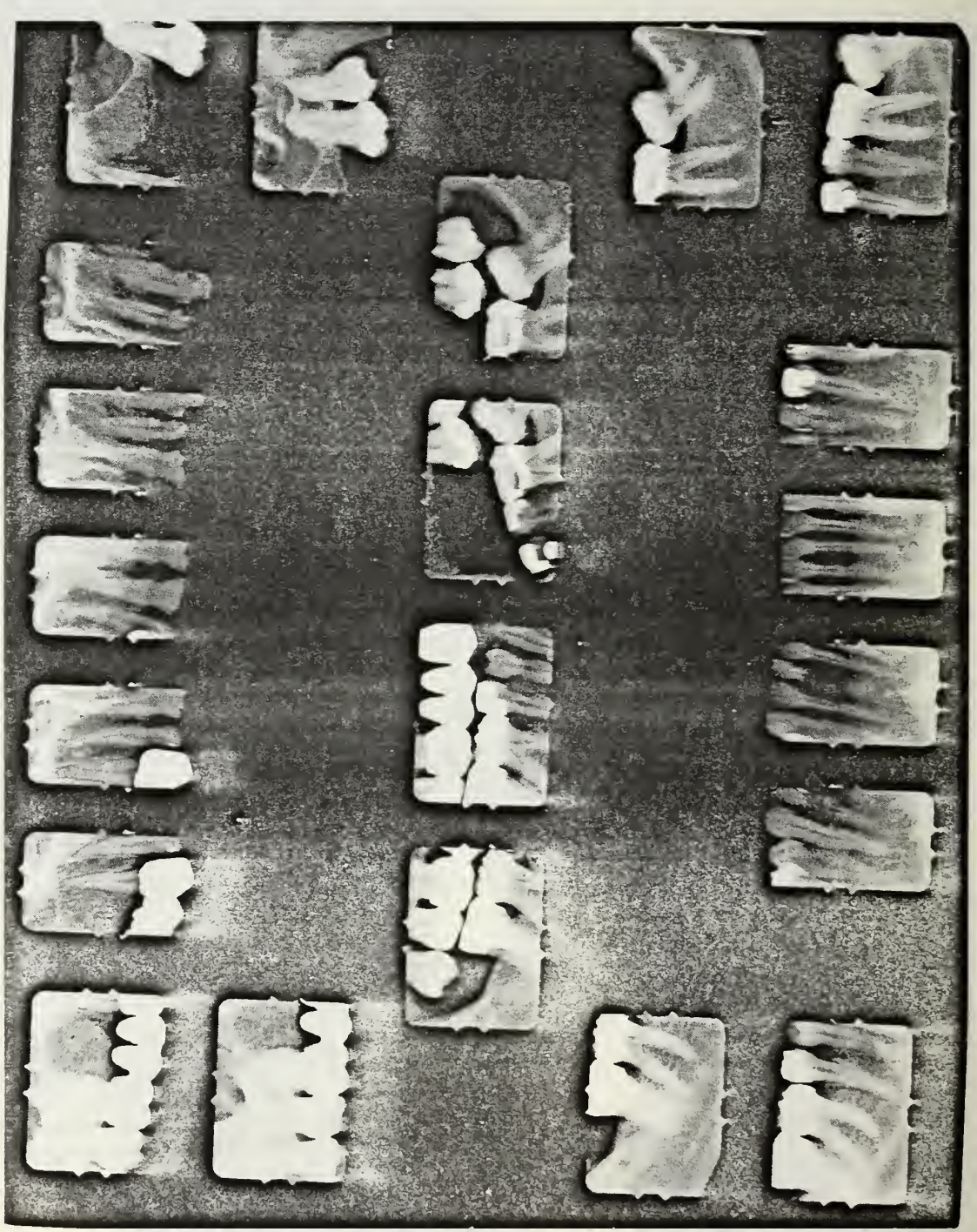




Case #28

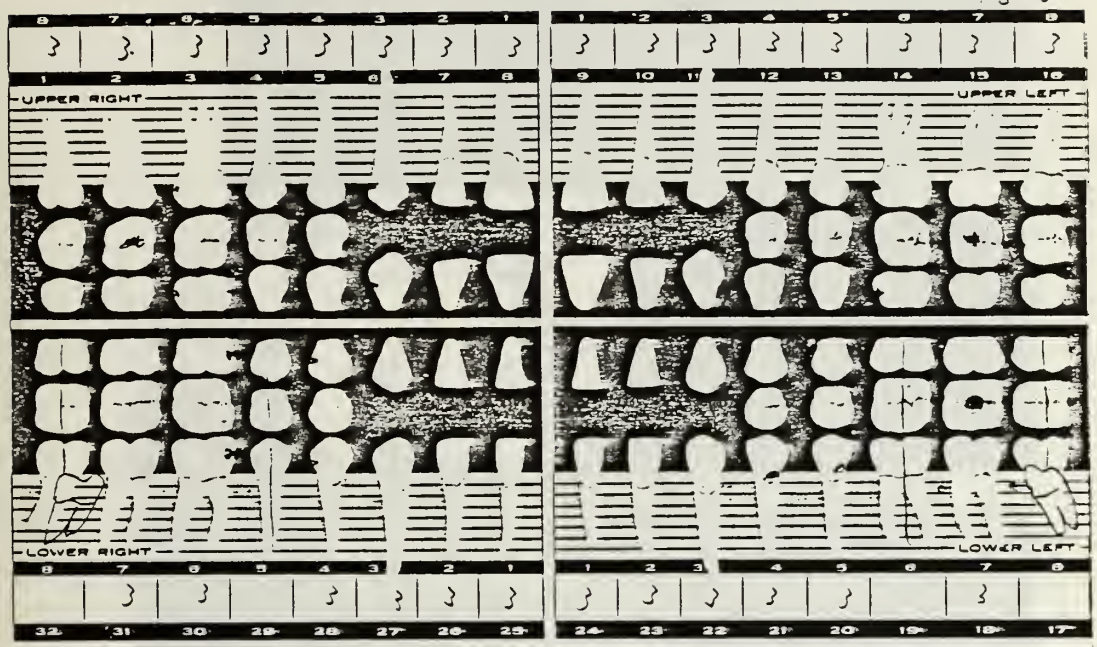


Case #28



Case #28

7610



MOLD

SHADE

RECOMMENDED TREATMENT

No mobile teeth

UPPER

LOWER

CASE#: 7610
AGE: 28
SEX: MALE
RACE: WHITE

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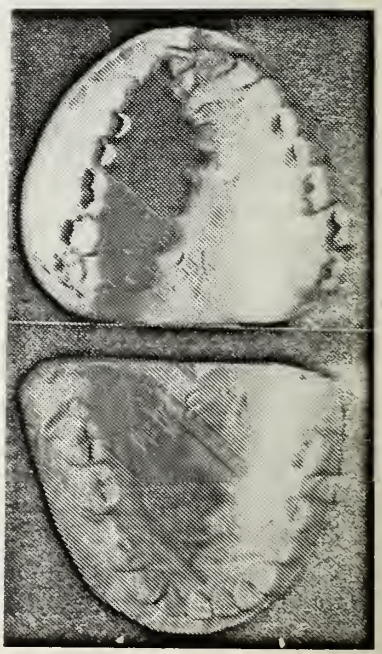
Case #29



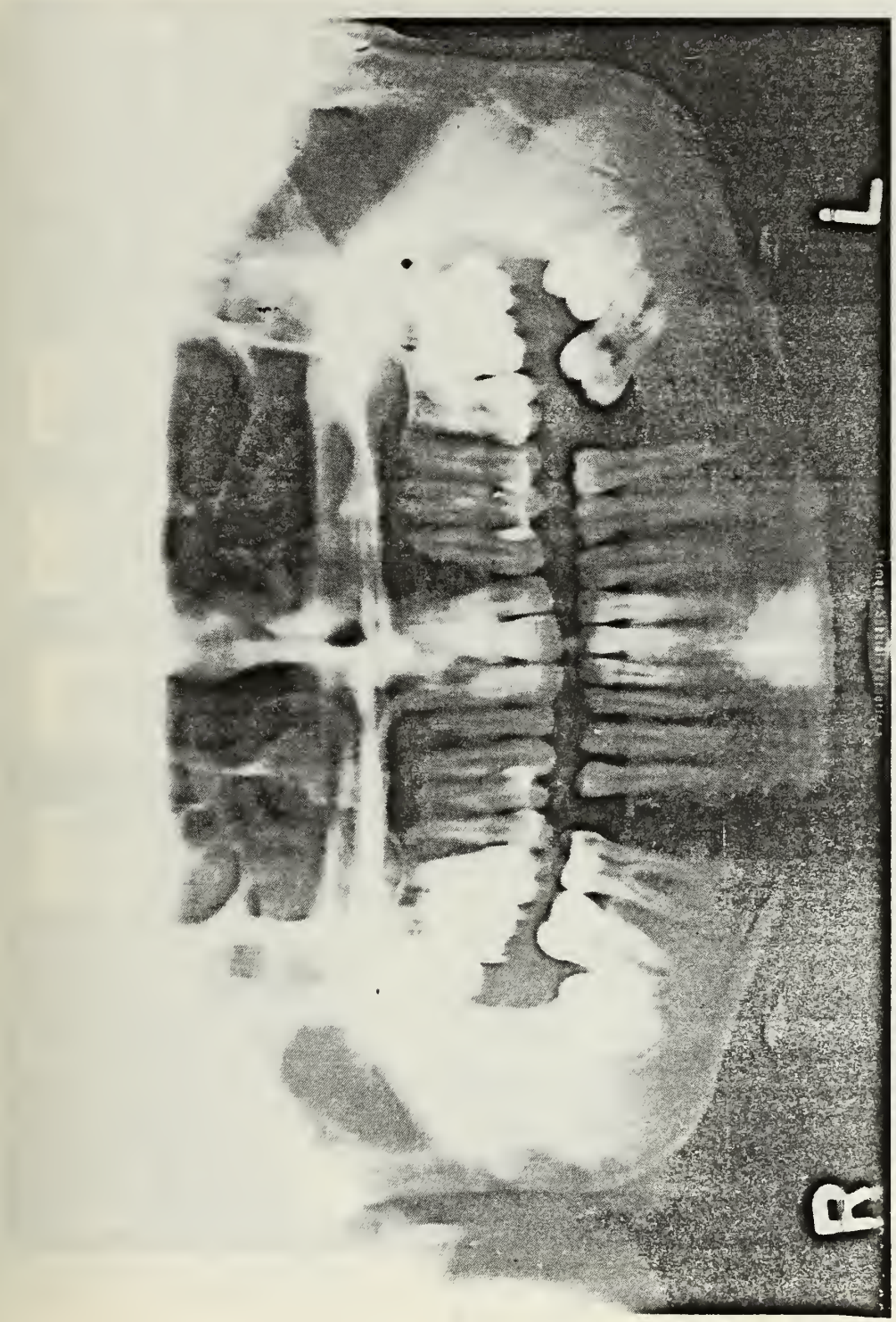








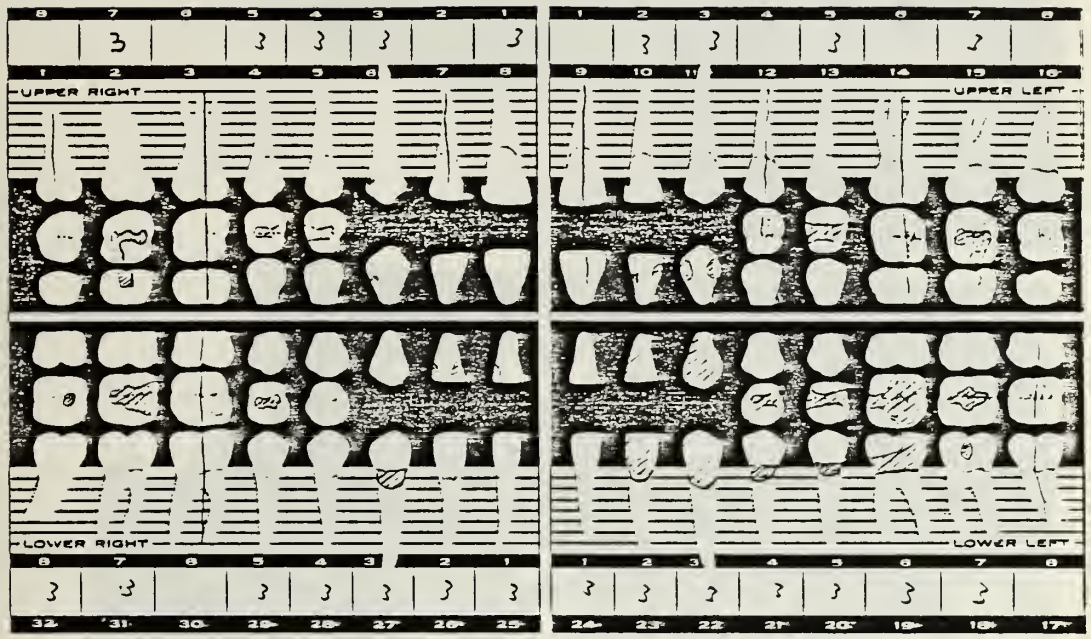
Case #29



Case #29

Case #29

7616



RECOMMENDED TREATMENT

MOLD

SHADE

N/A mobile teeth

Clicking on popping (R) & (L) TMJ

Left TMJ dysfunction

UPPER

LOWER

CASE#: 7616
AGE: 44
SEX: MALE
RACE: WHITE

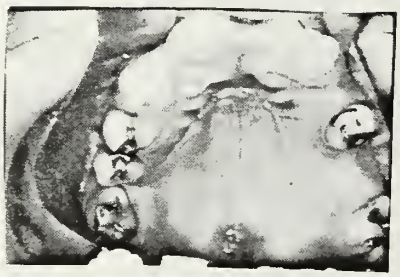
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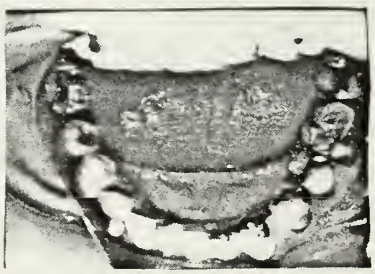
Case #30

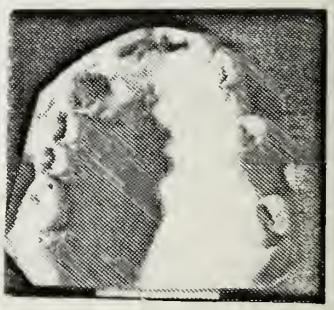






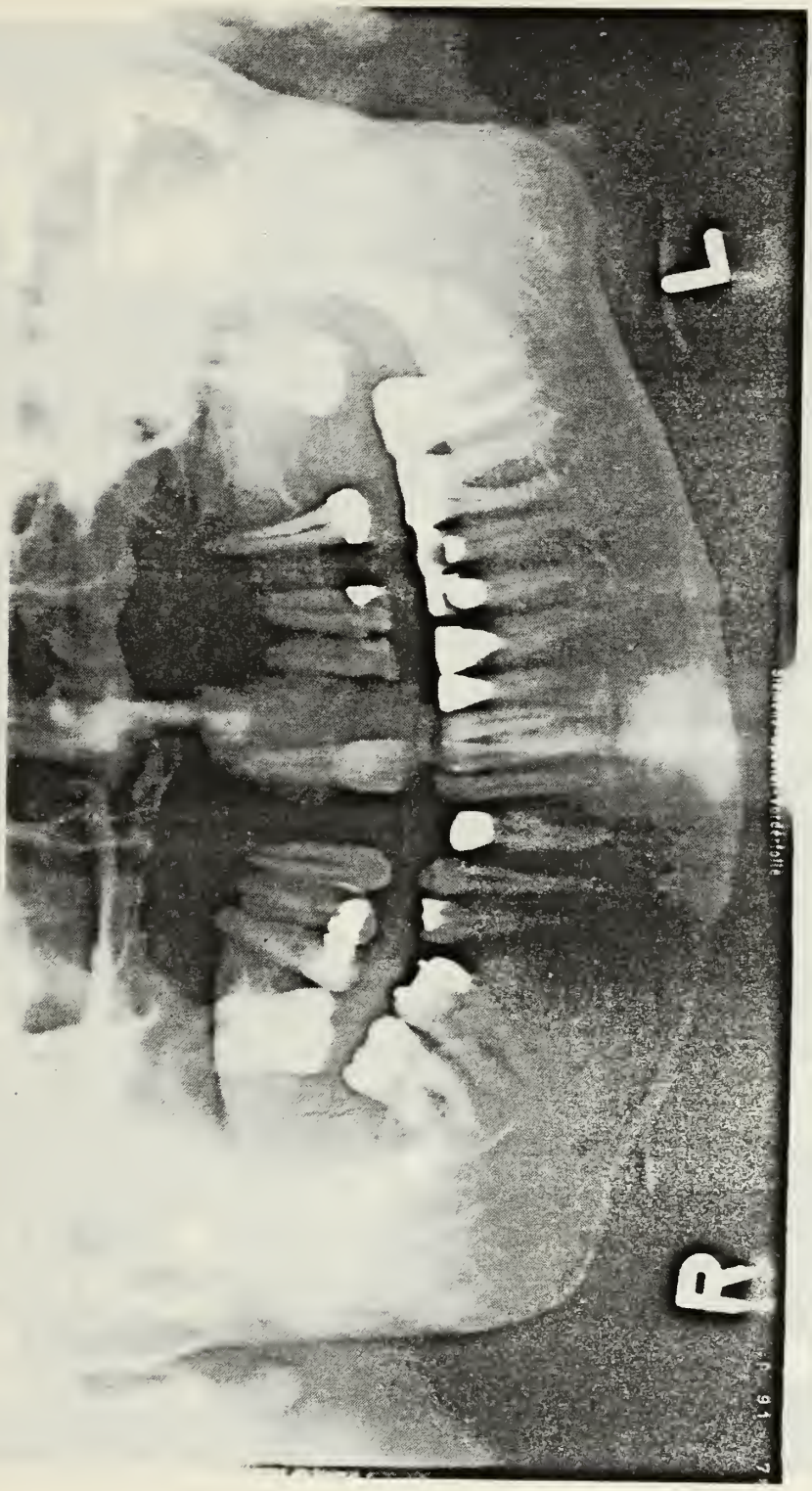




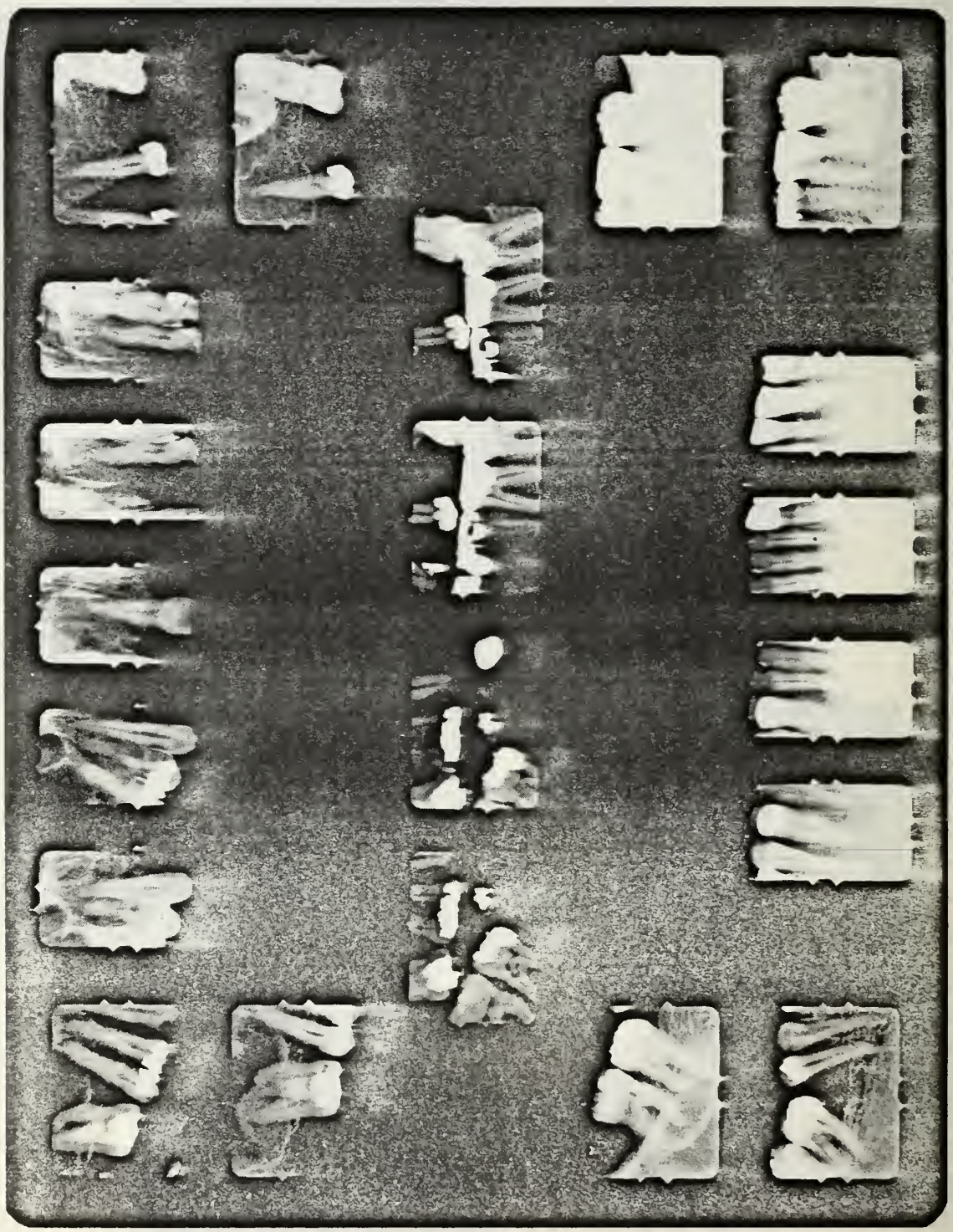




Case #30

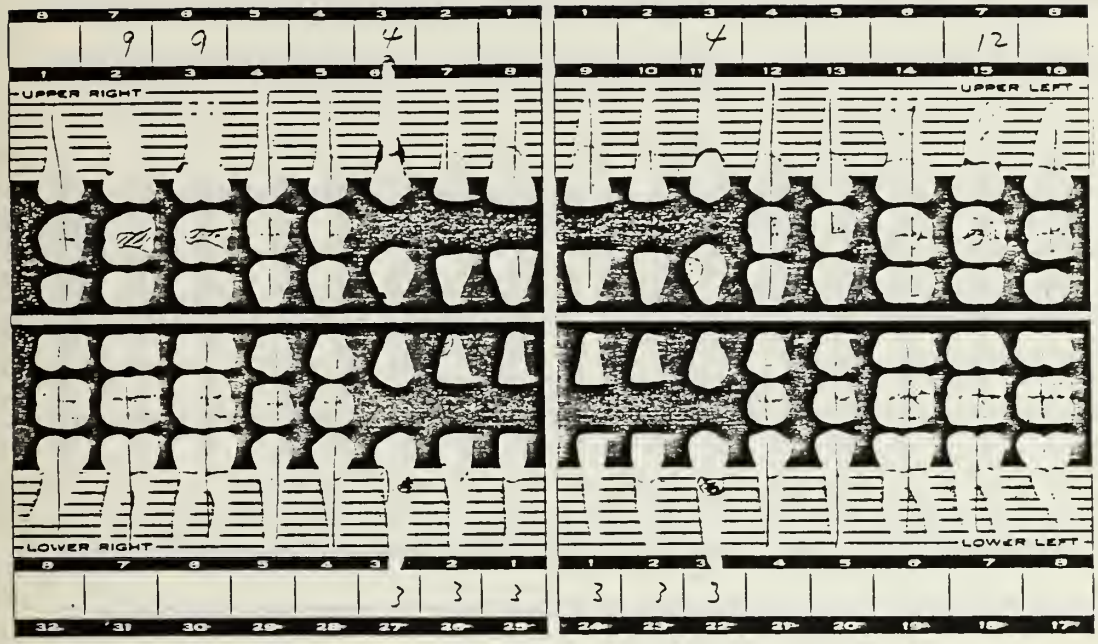


Case #30



Case #30

7630



RECOMMENDED TREATMENT

MOLD

SHADE

No Ang Lite Foot

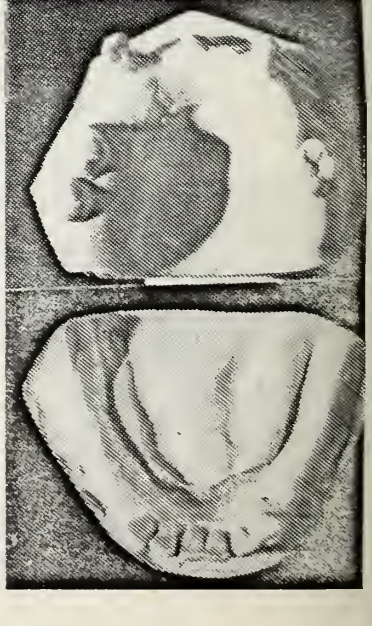
UPPER

LOWER

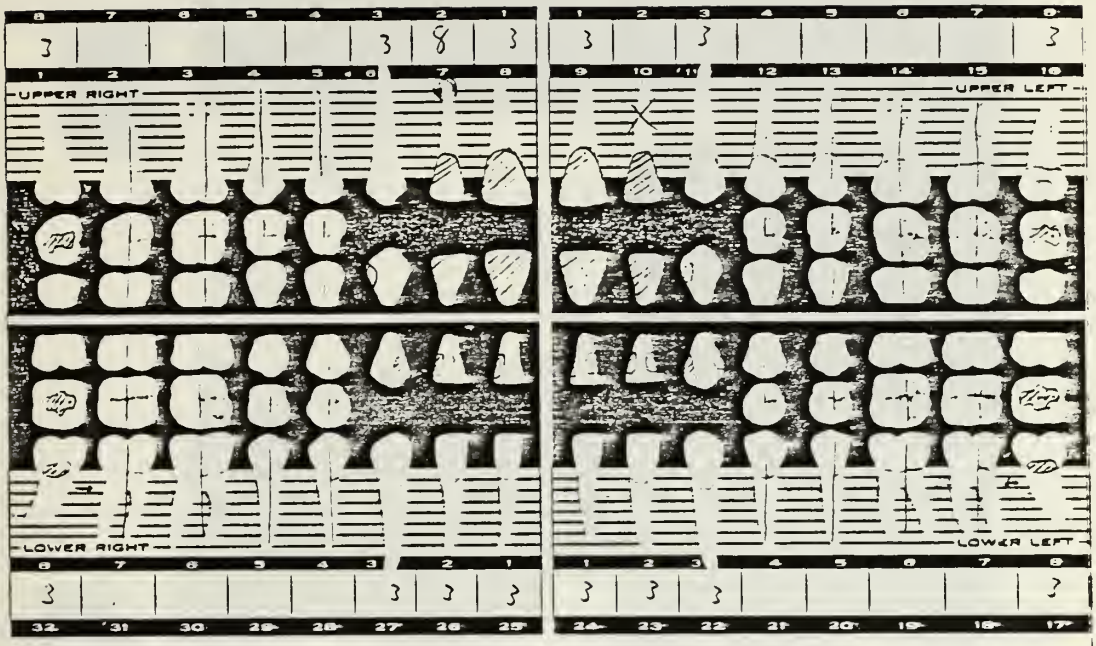
CASE#: 7630
AGE: 66
SEX: MALE
RACE: WHITE

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Case #31



Case #31

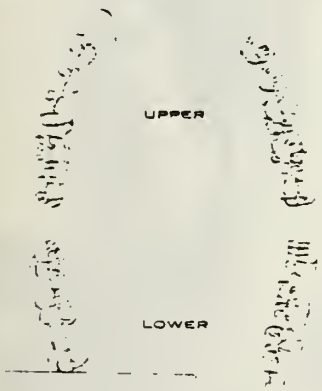


RECOMMENDED TREATMENT

MOLD

SHADE

	Mobility
7	3
8	1
9	1
	Periapical radiolucency #7



CASE#: 7642
AGE: 41
SEX: FEMALE
RACE: WHITE

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Case #32



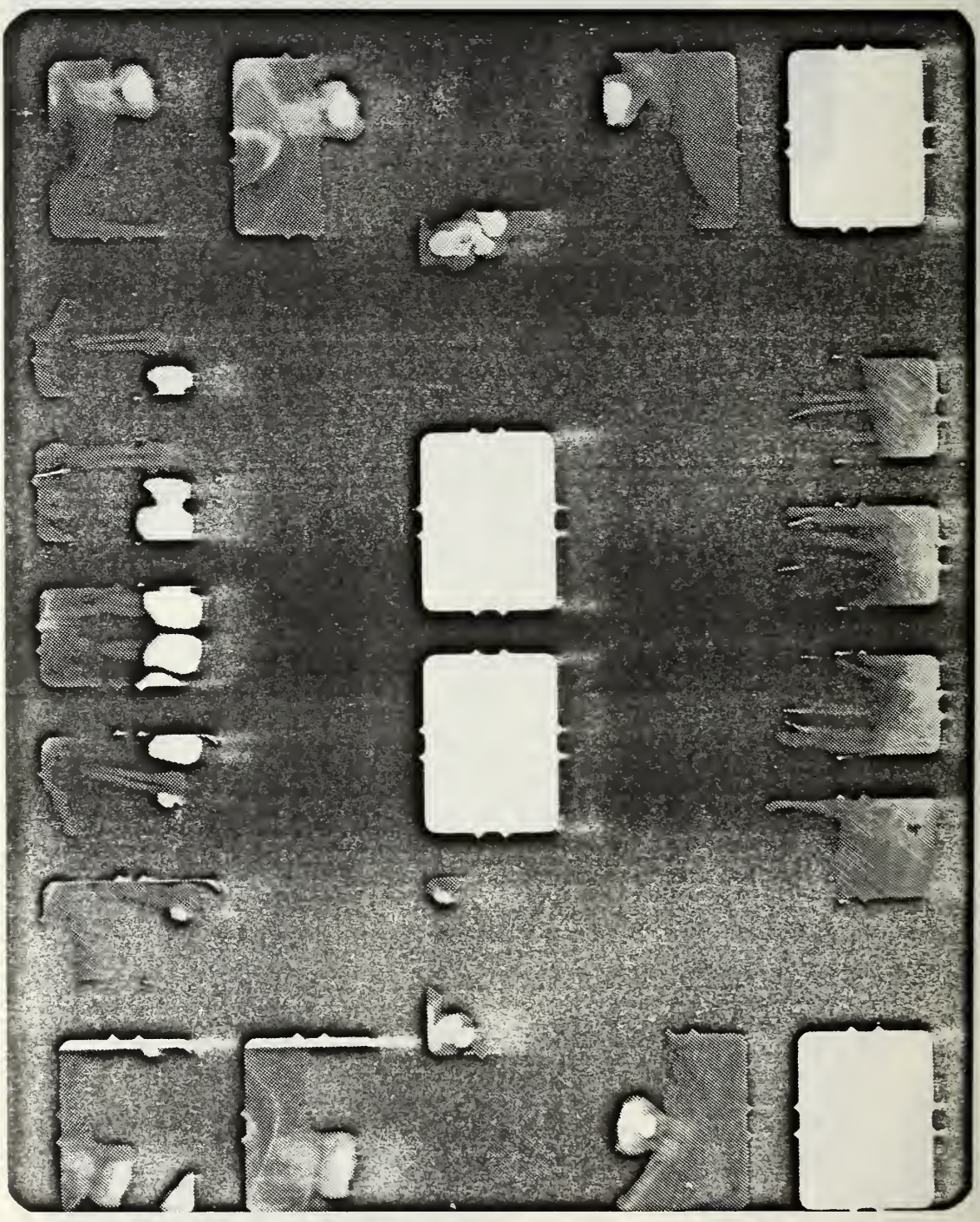




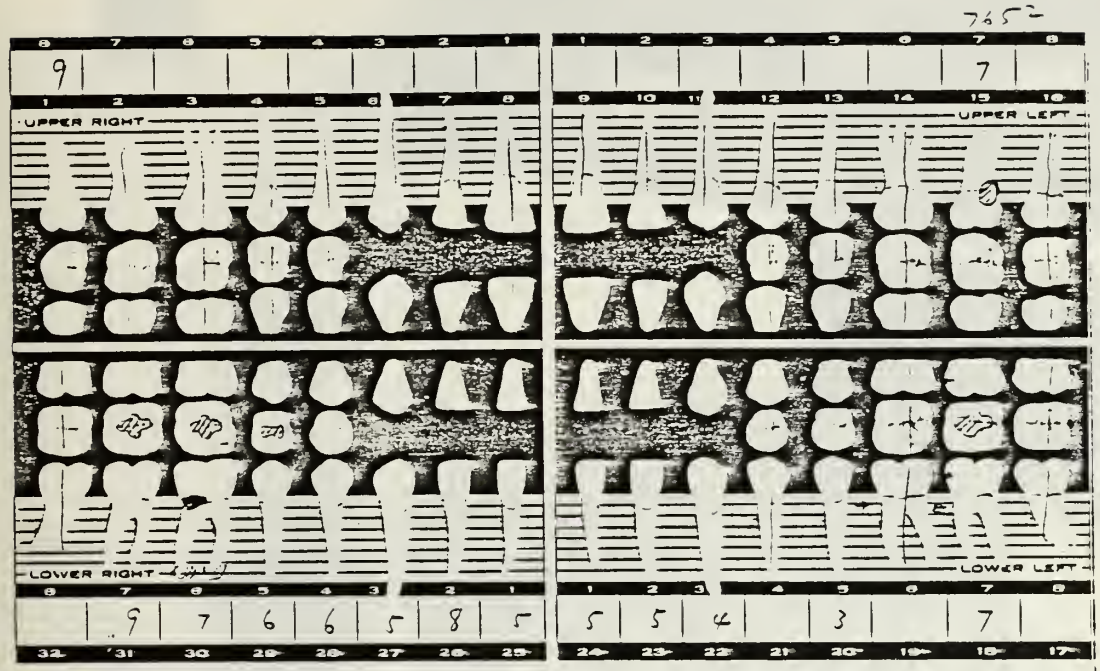


Case #32

Case #32



Case #32



RECOMMENDED TREATMENT

MOLD

SHADE

	Mobility
21	3
17	3
18	3
20	2
23	1
24	
25	1
26	1
27	1
28	1
29	1
30	3
31	3
	± 15 non-white
	Periodontal involvement ≥ 33

UPPER

LOWER

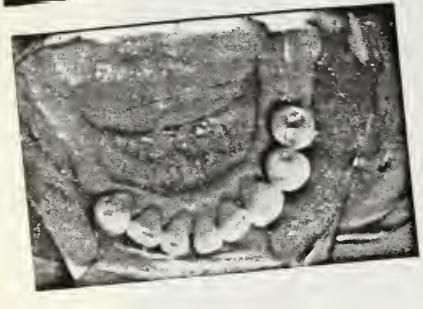
CASE#: 7652
AGE: 46
SEX: MALE
RACE: ORIENTAL

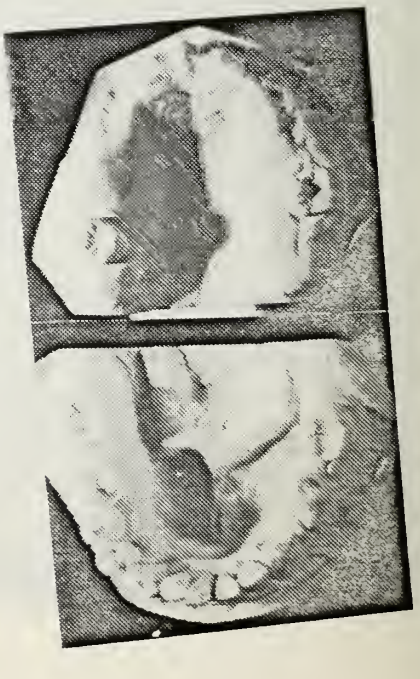
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Case #33







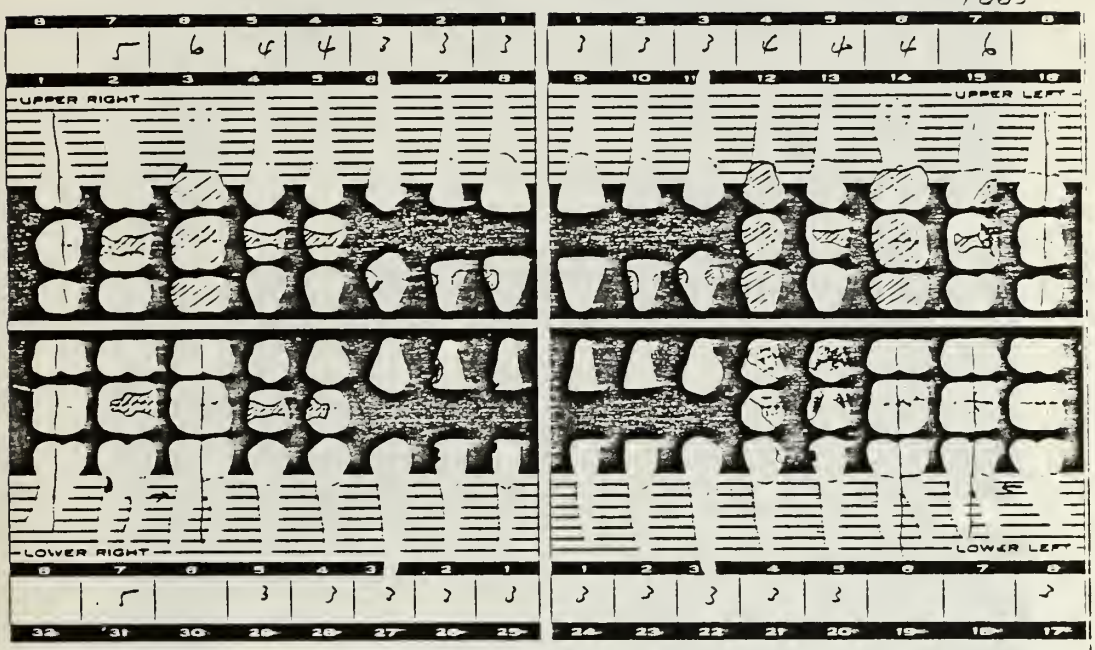


Case #33

Case #33

Case #33

7665

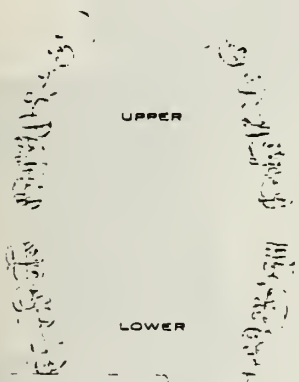


MOLD

SHADE

RECOMMENDED TREATMENT

No ortho. Tx. Pt.

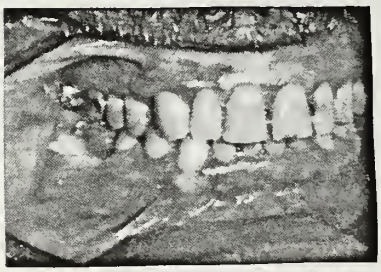


CASE#: 7665
AGE: 60
SEX: MALE
RACE: WHITE

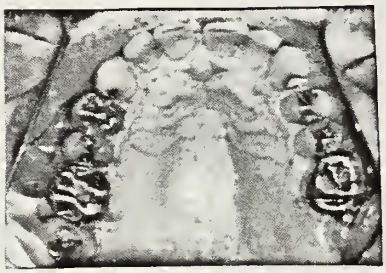
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Case #34







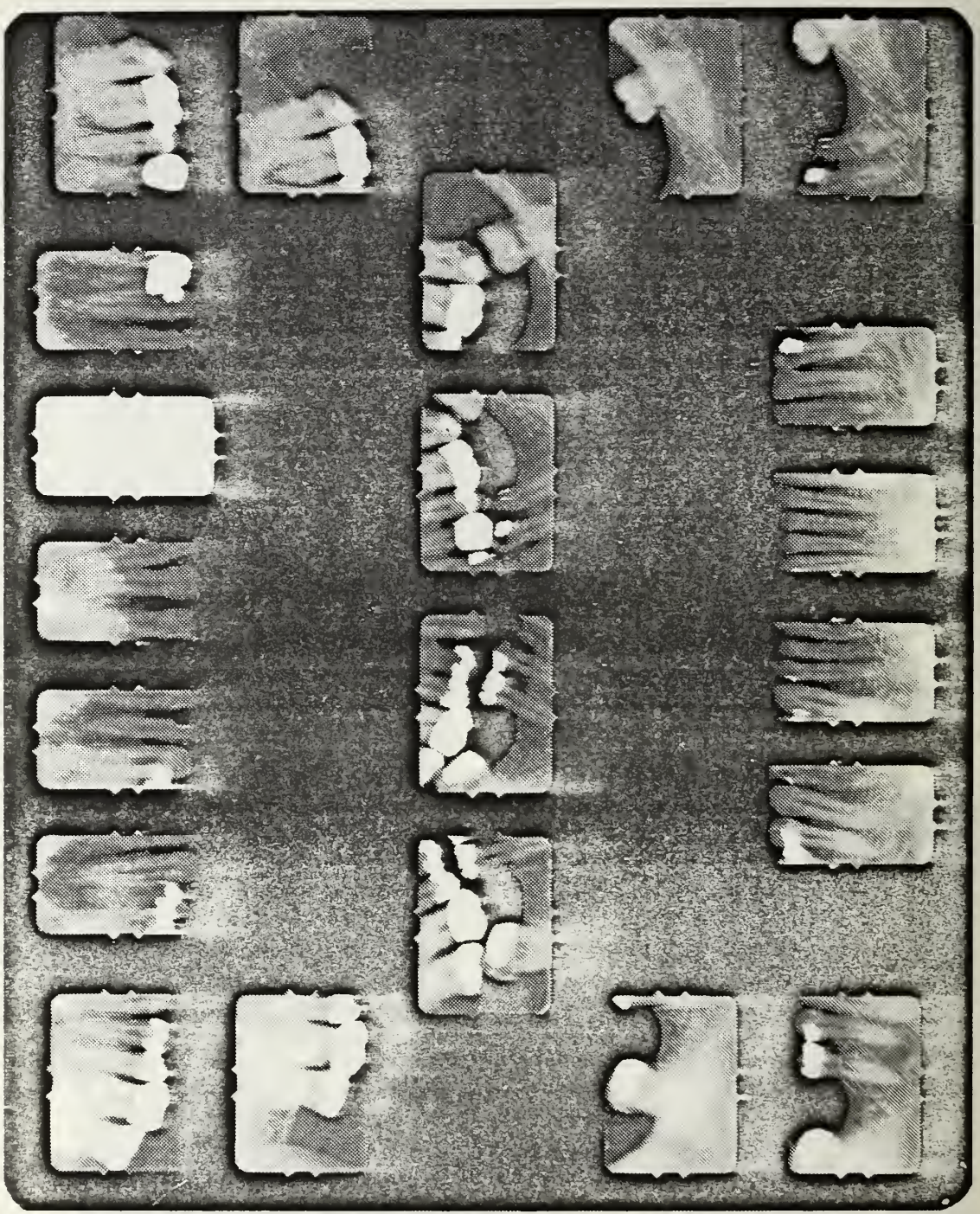






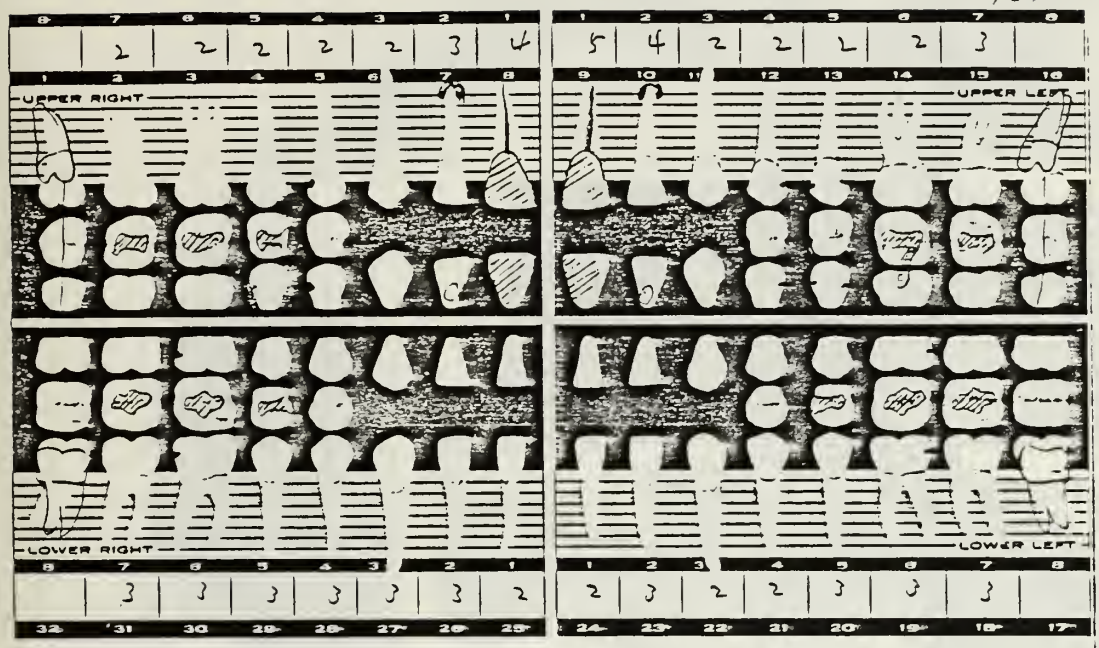
Case #34

Case #34



Case #34

7672



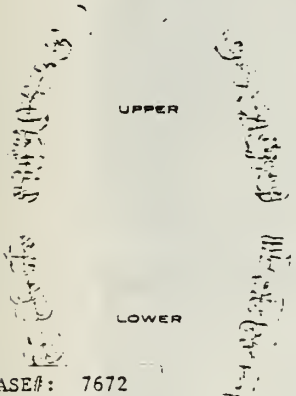
RECOMMENDED TREATMENT

HOLD

SHADE

No mob. to teeth
Ready to retain

ANTERIOR OPEN BITE

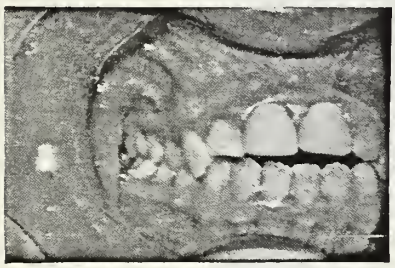


CASE#: 7672
AGE: 21
SEX: FEMALE
RACE: WHITE

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Case #35







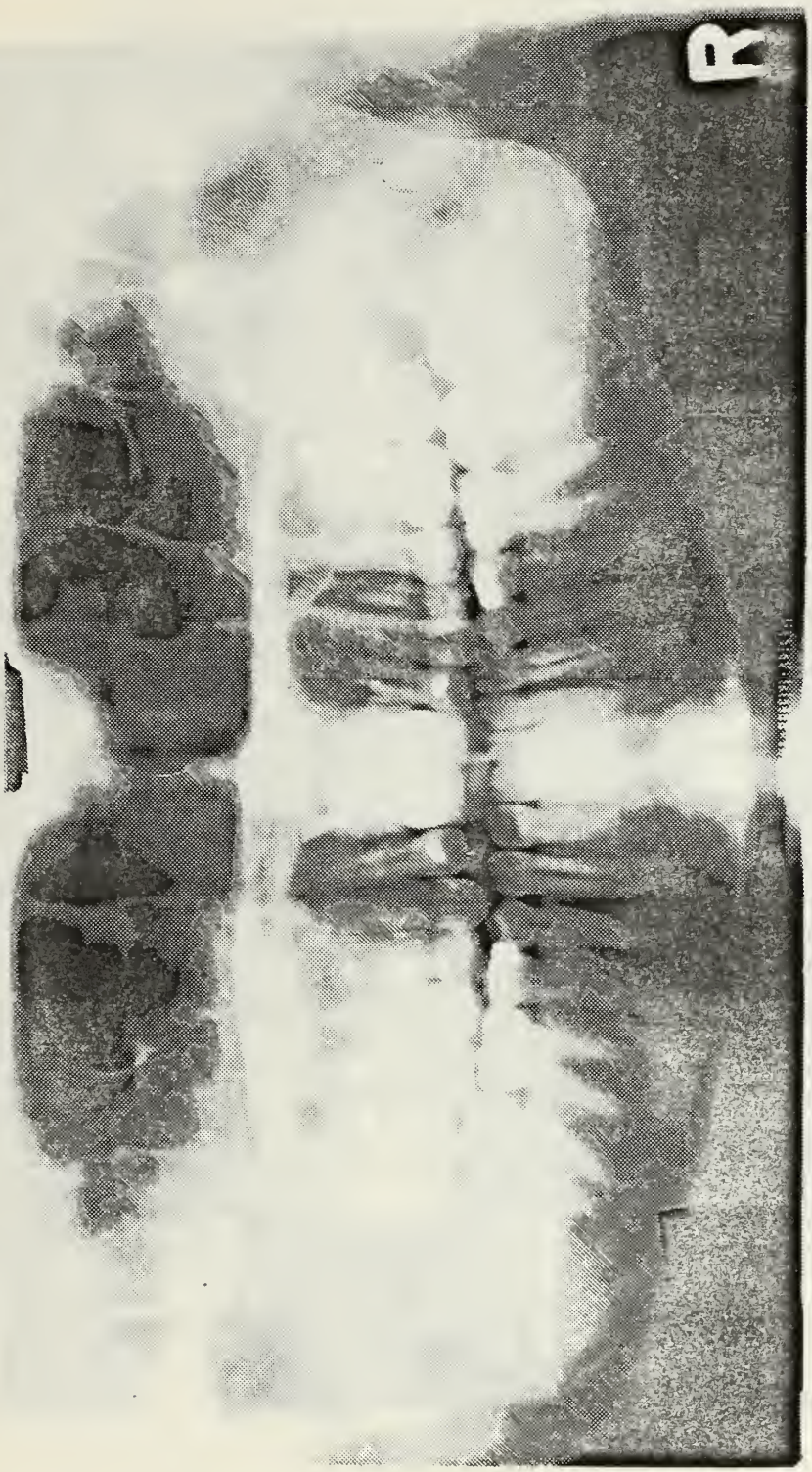




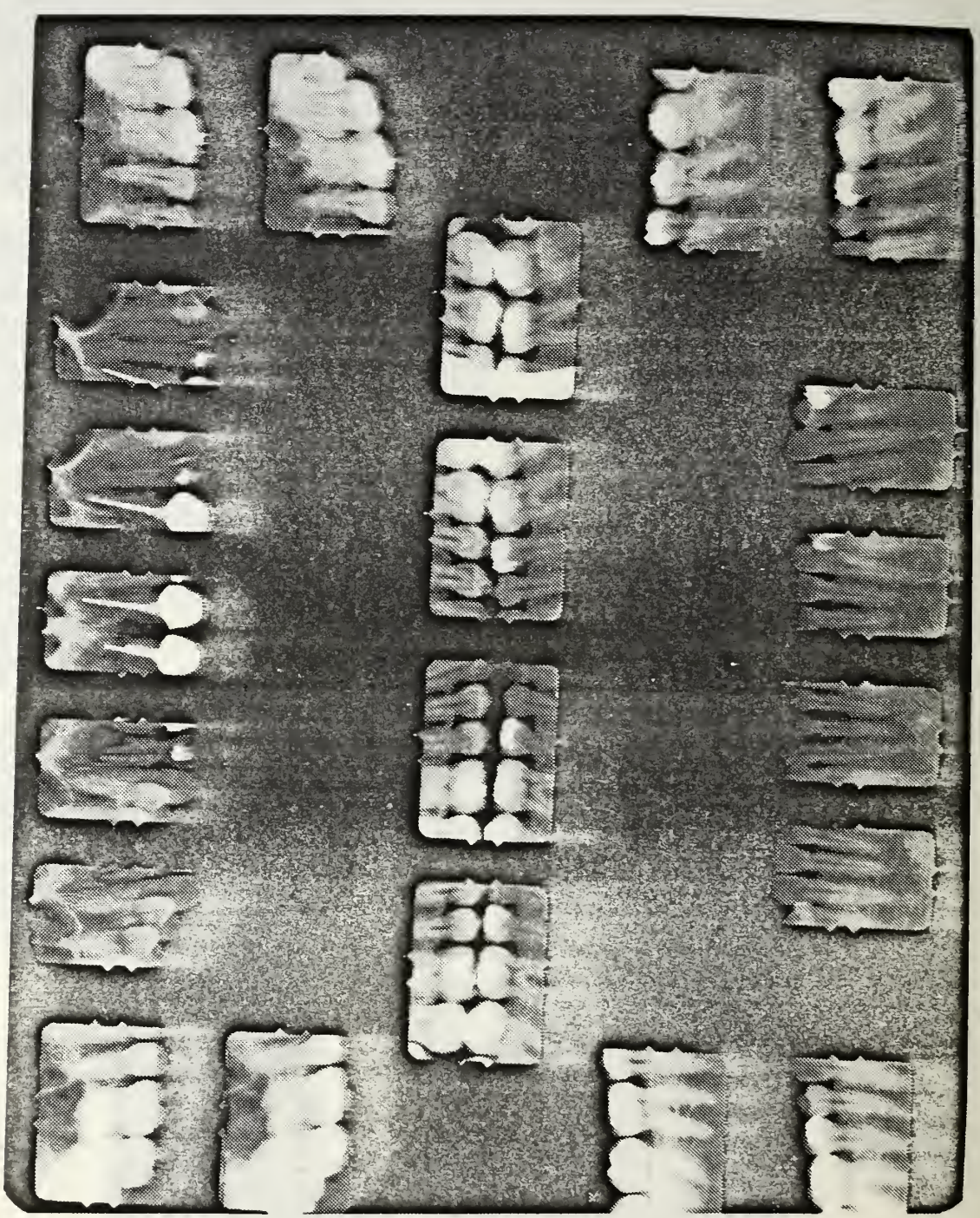




Case #35

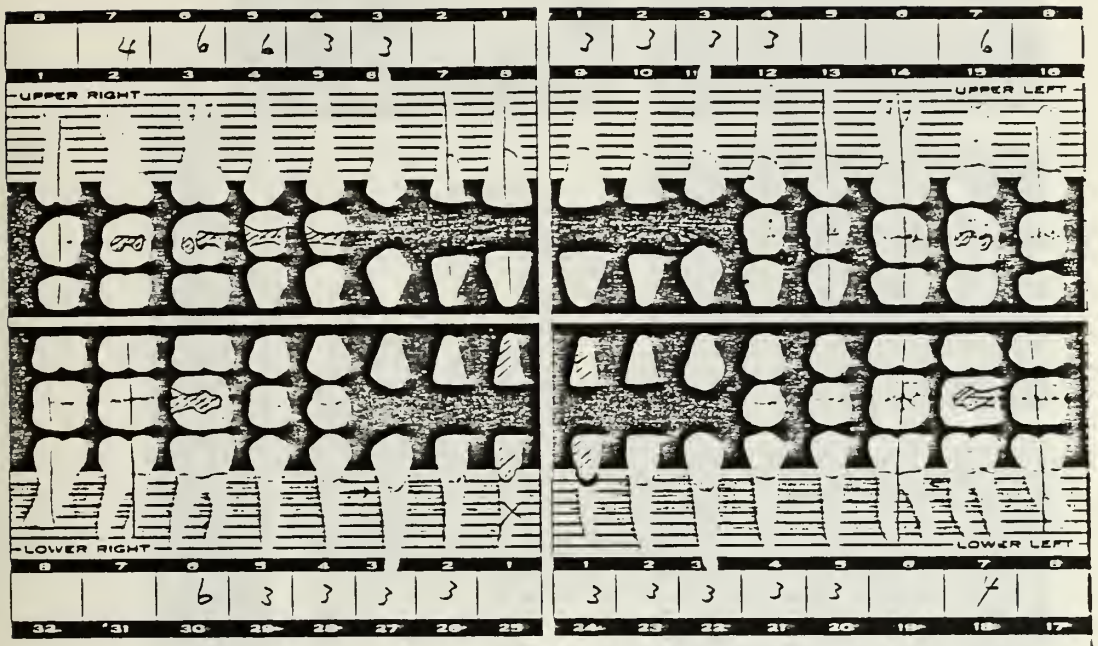


Case #35



Case #35

7677



RECOMMENDED TREATMENT

MOLD

SHADE

Mobility

3	1
14	2
24	1
30	1

DEFECTIVE CANTILEVER BRIDGE 24-25
NEW BRIDGE IN PROCESS OF BEING MADE &
SHOULD BE INCLUDED IN TX PLAN.

UPPER

LOWER

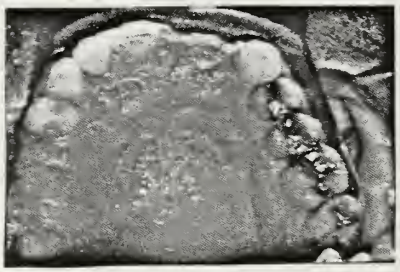
CASE#: 7677
AGE: 46
SEX: MALE
RACE: BLACK

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Case #36



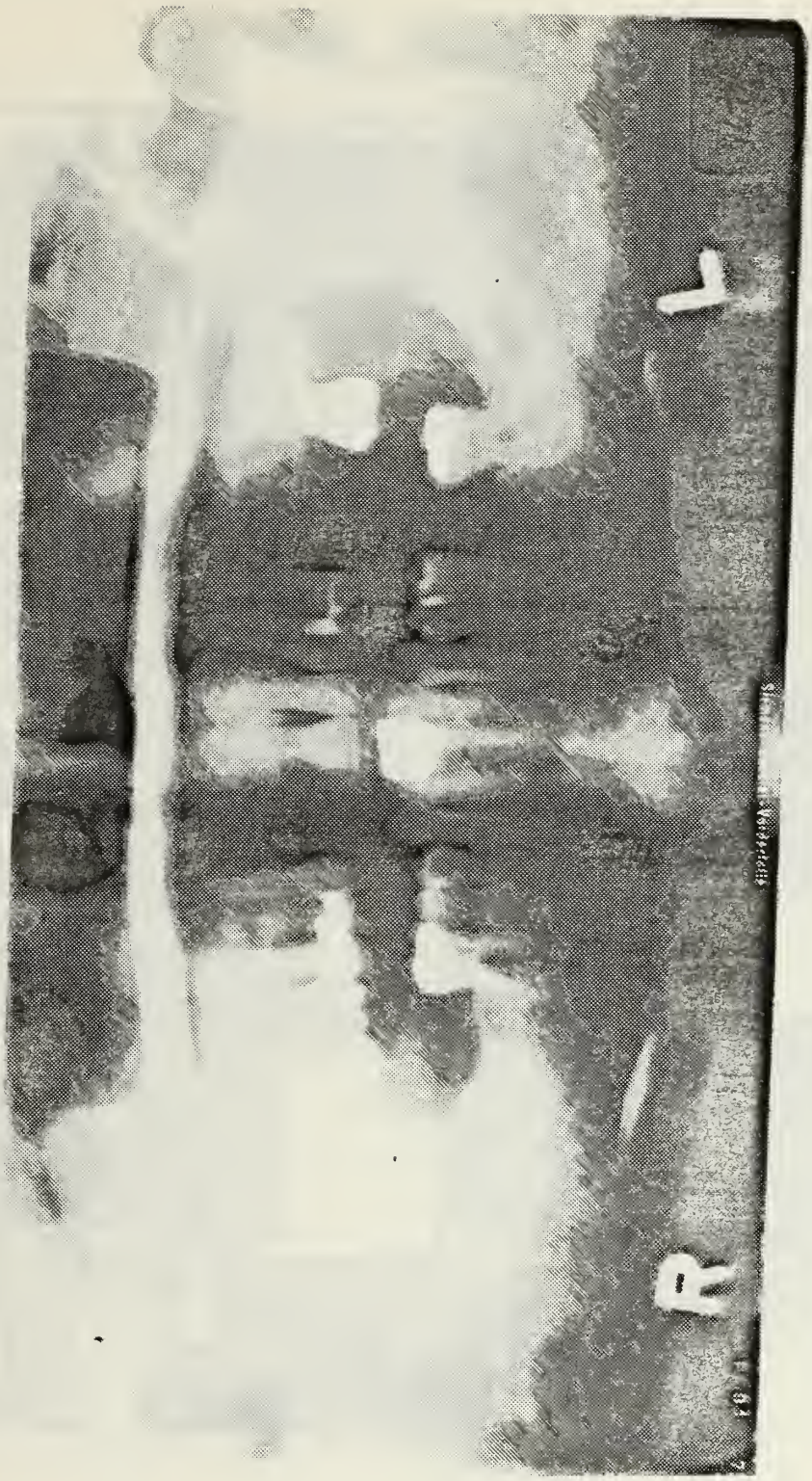








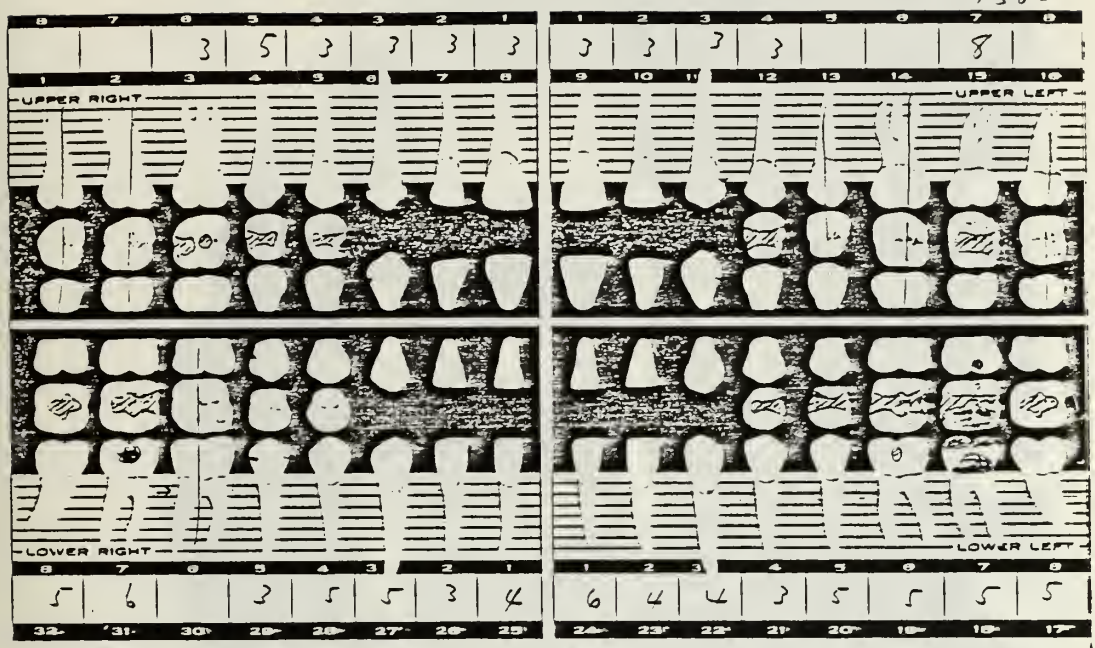
Case #36



Case #36

Case #36

7680



RECOMMENDED TREATMENT

MOLD

SHADE

	Mobility
15	2
17	1
18	1
23	1
24	2
25	1
31	2

NOTE: SUPERNUMERARY TOOTH BETWEEN #9 AND #10

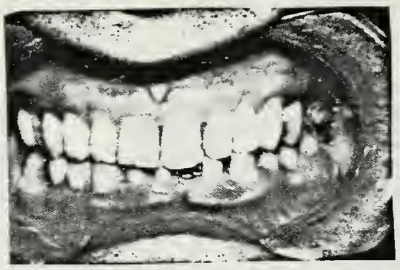
UPPER

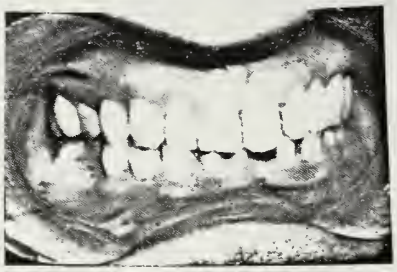
LOWER

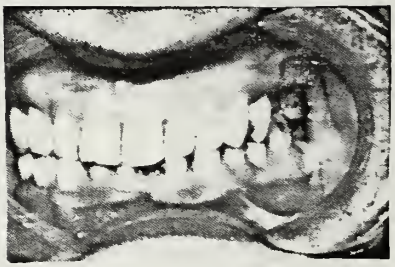
CASE#: 7680
AGE: 40
SEX: MALE
RACE: WHITE

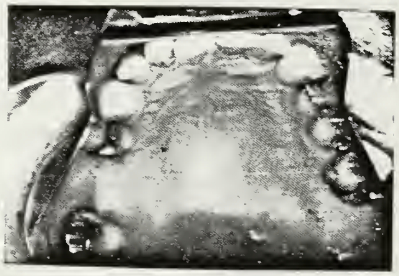
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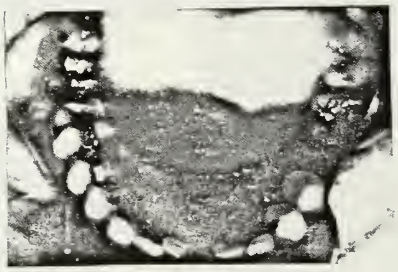
Case #37

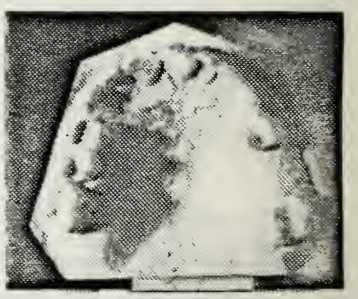






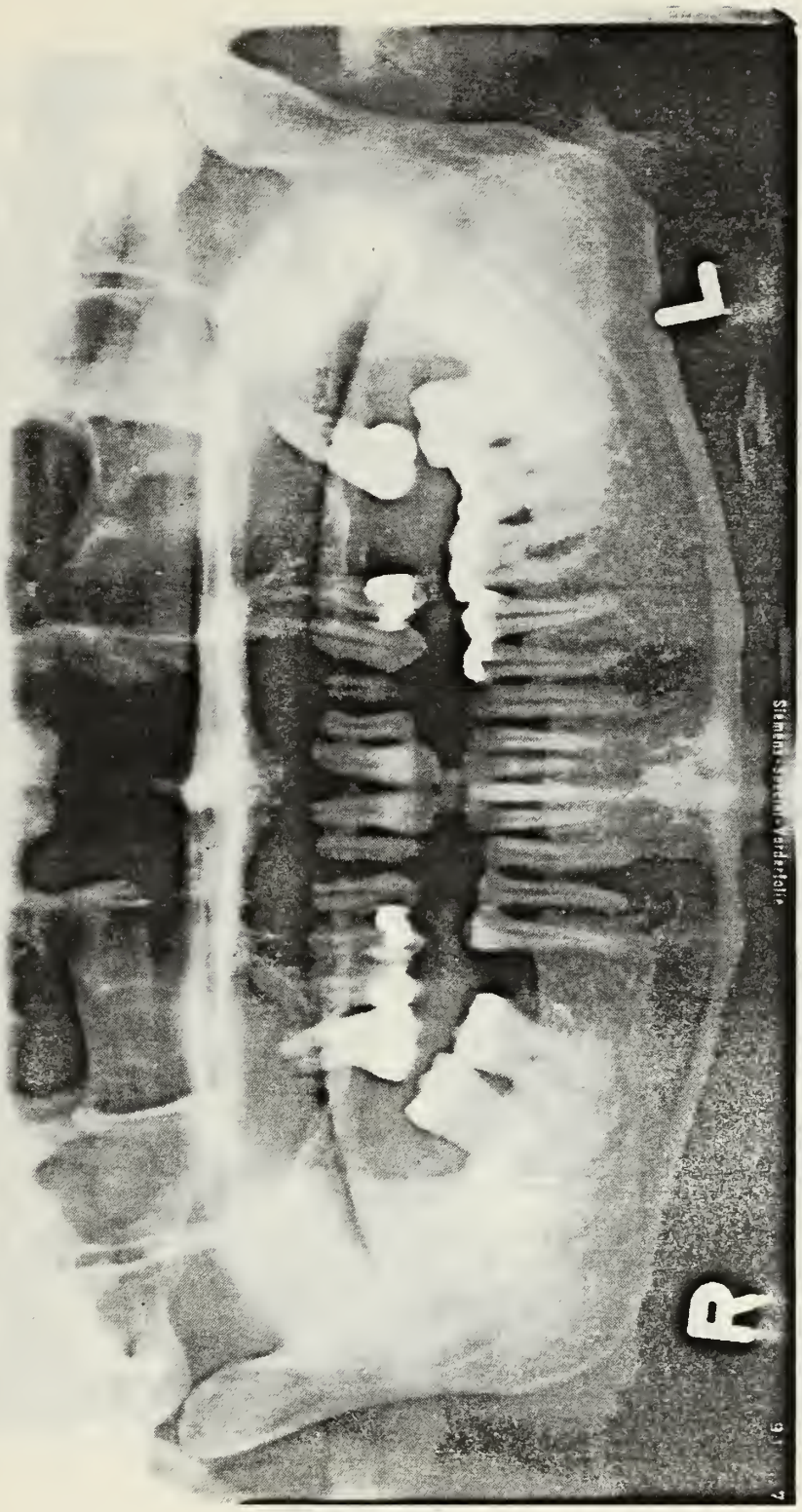








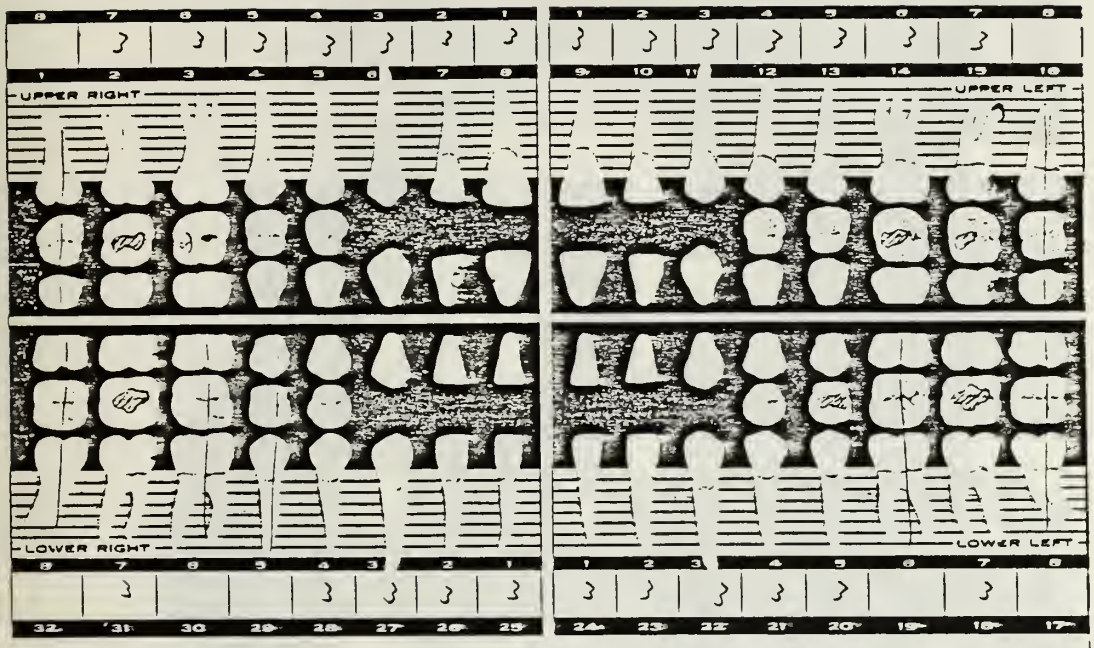
Case #37



Case #37

Case #37

7687



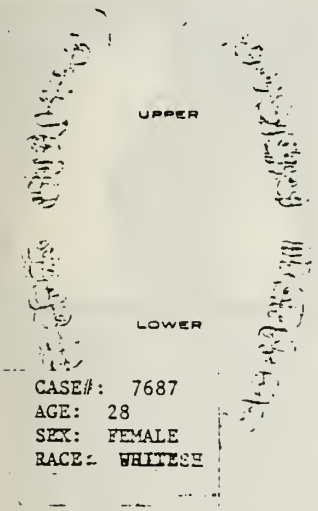
RECOMMENDED TREATMENT

MOLD

SHADE

No mobile teeth

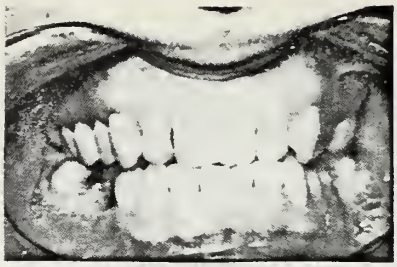
Temporal mandib ortaitis #15



CASE#: 7687
AGE: 28
SEX: FEMALE
RACE: WHITE

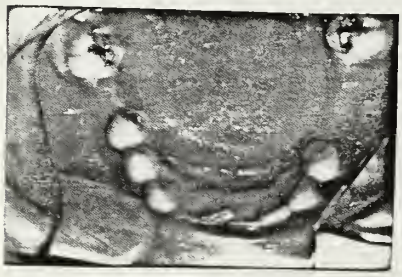
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Case #38



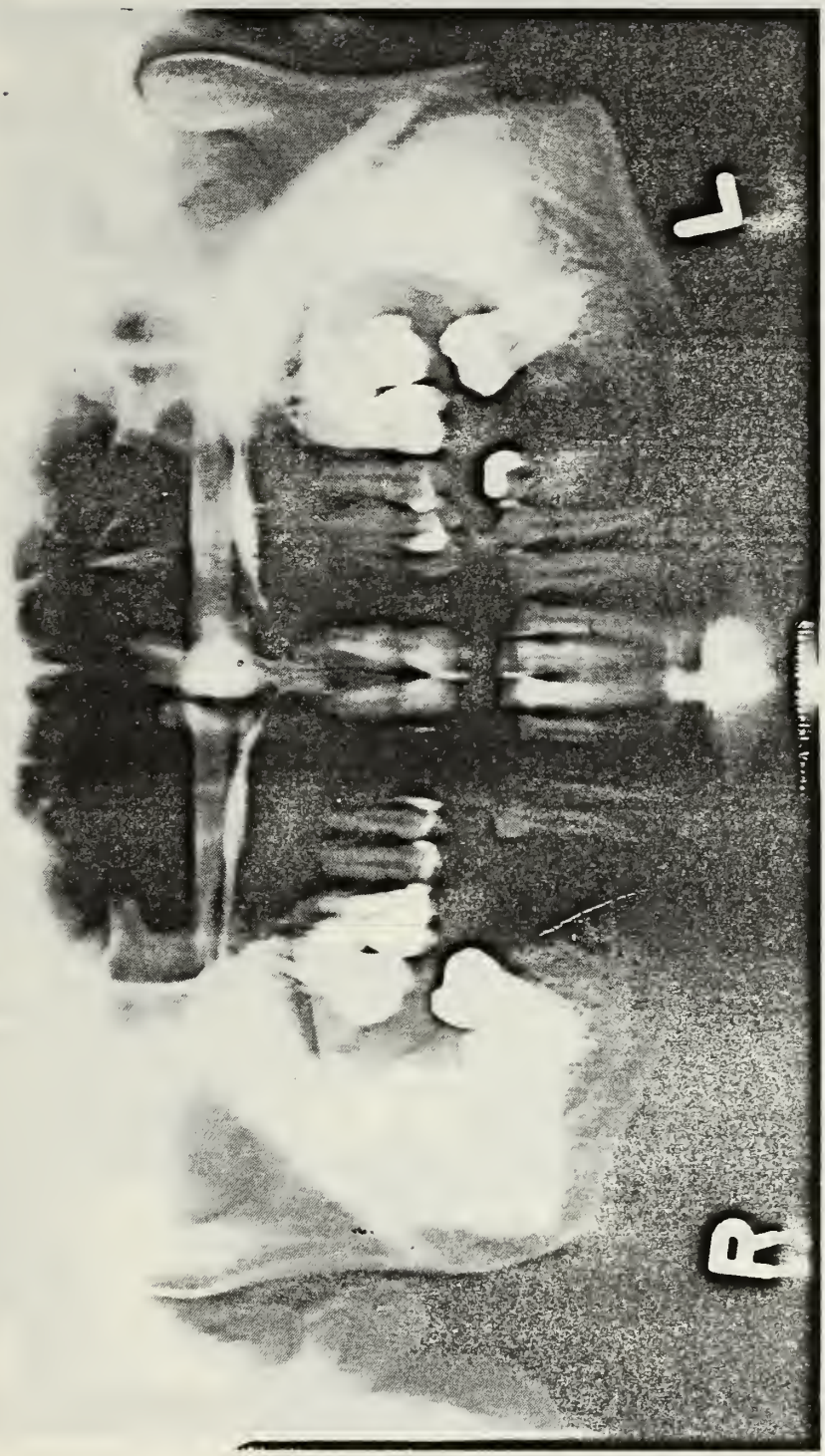








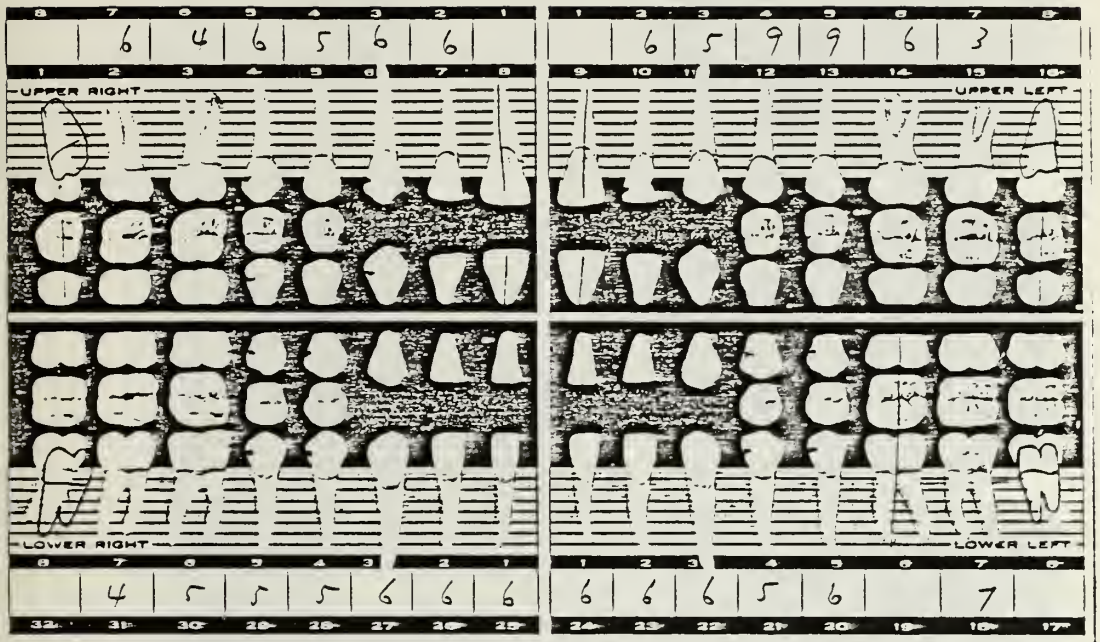
Case #38



Case #38

Case #38

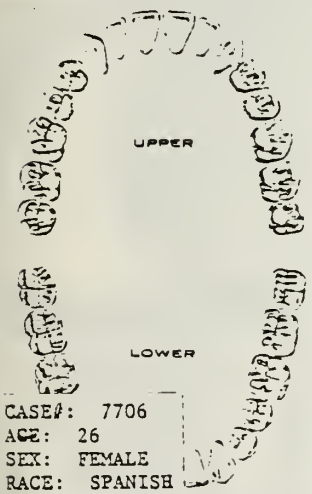
7706



RECOMMENDED TREATMENT

MOLD

SHADE



CASE#: 7706
AGE: 26
SEX: FEMALE
RACE: SPANISH SURNAME

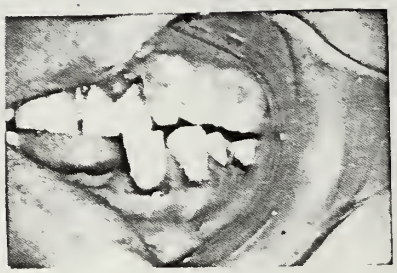
	Mobility
3	3
6	1
7	2
10	2
11	1
13	2
14	3
18	2
20	1
23	1
26	1
25	1
26	1
	PERIAPICAL RAREFYING OSTEITIS #3

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Case #39

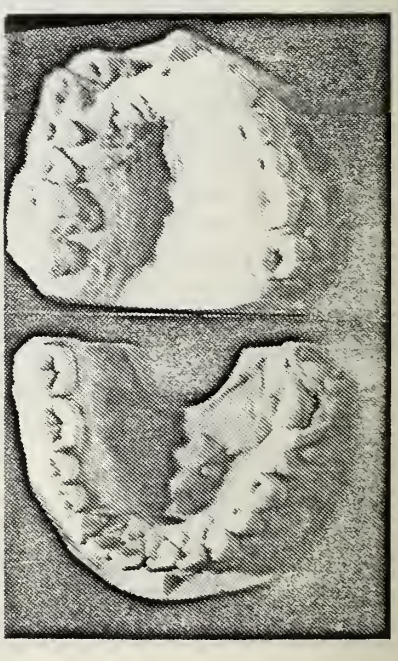




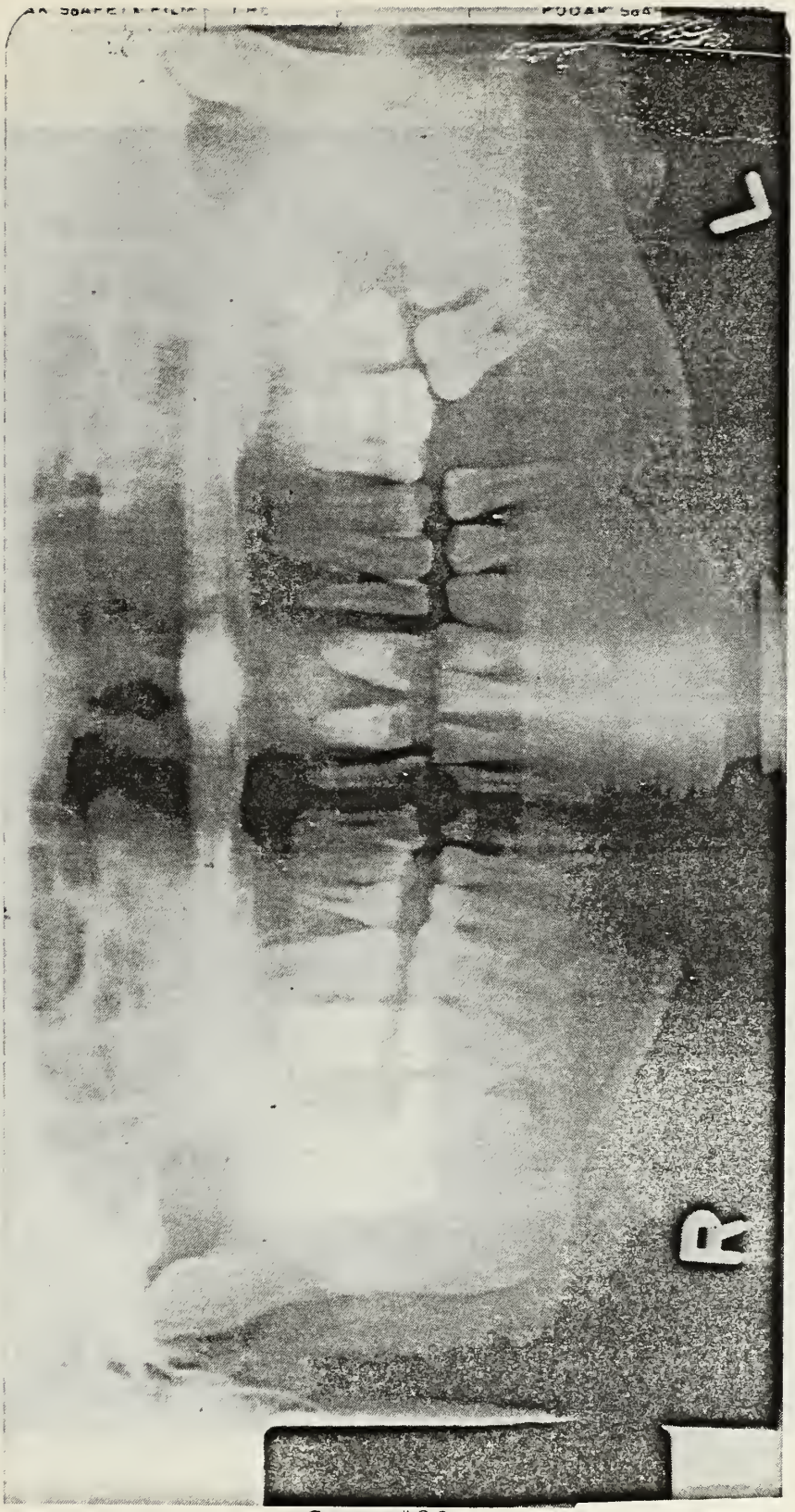




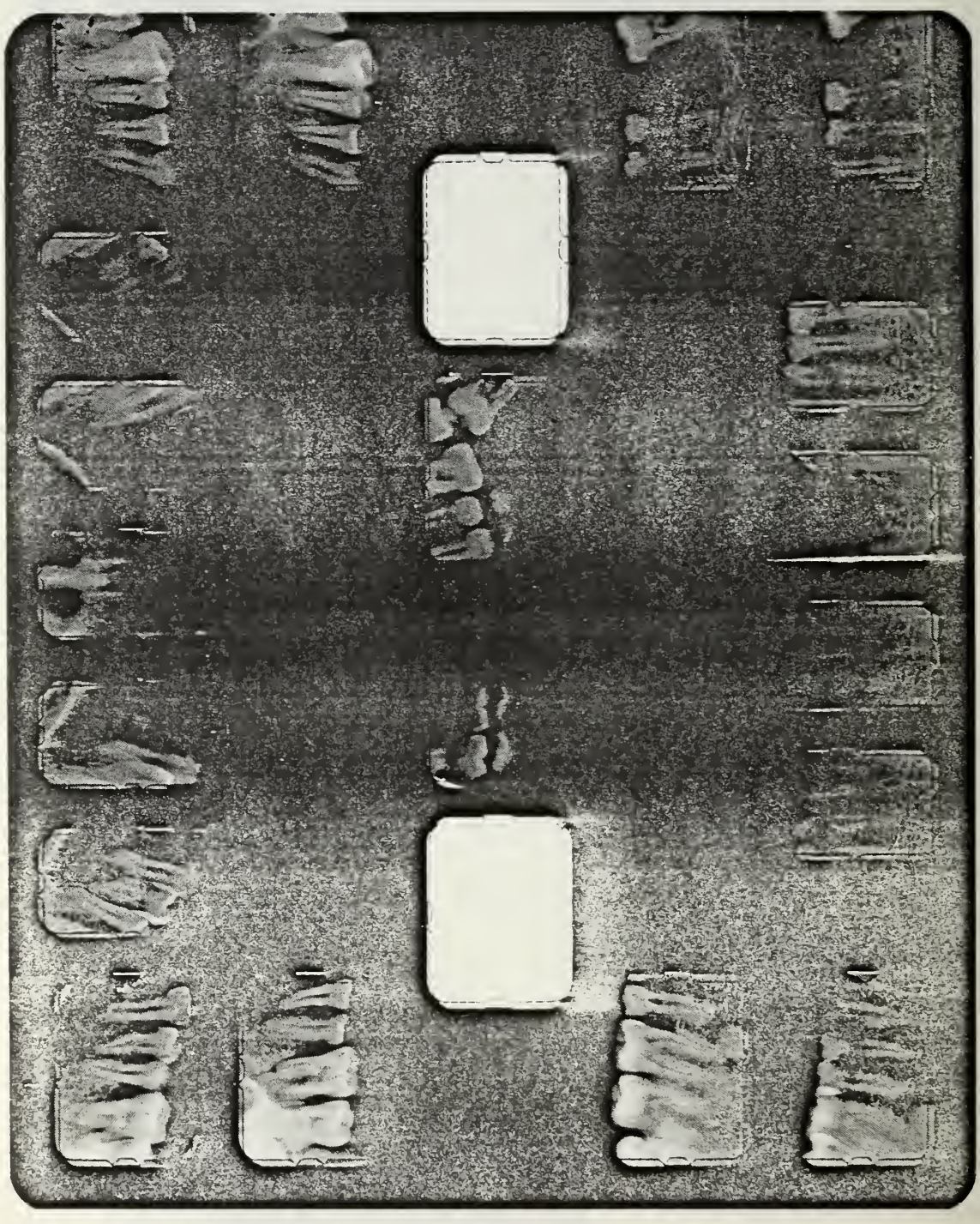




Case #39

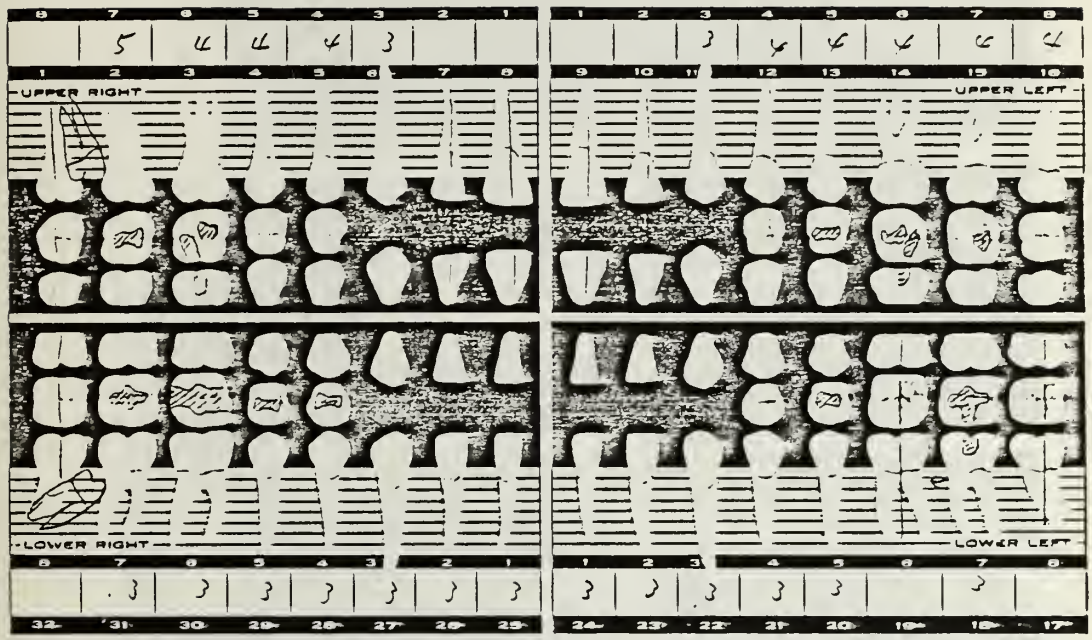


Case #39



Case #39

7709



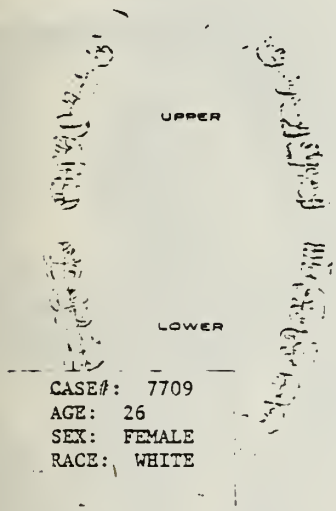
RECOMMENDED TREATMENT

MOLD

SHADE

No mobile teeth

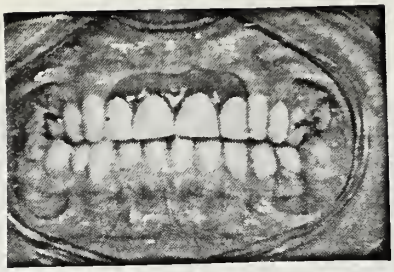
#1, 32 impacted



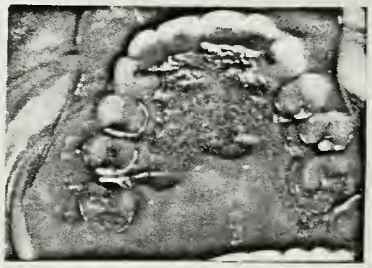
CASE#: 7709
AGE: 26
SEX: FEMALE
RACE: WHITE

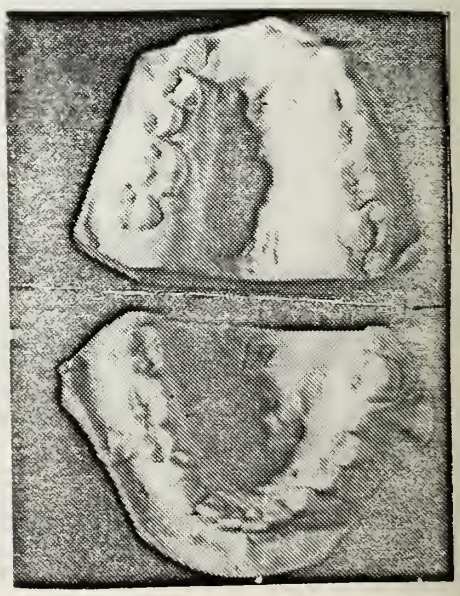
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Case #40

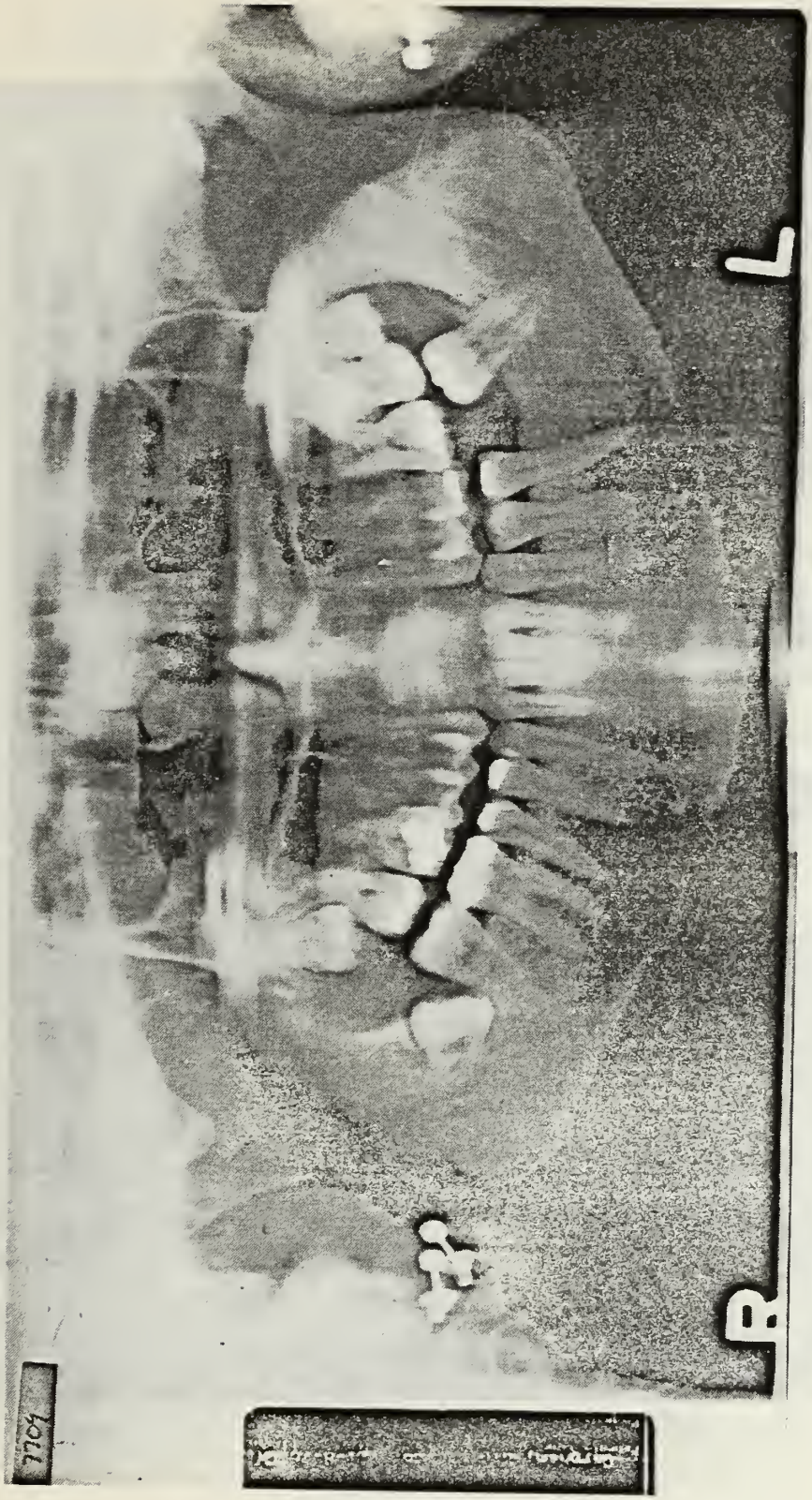




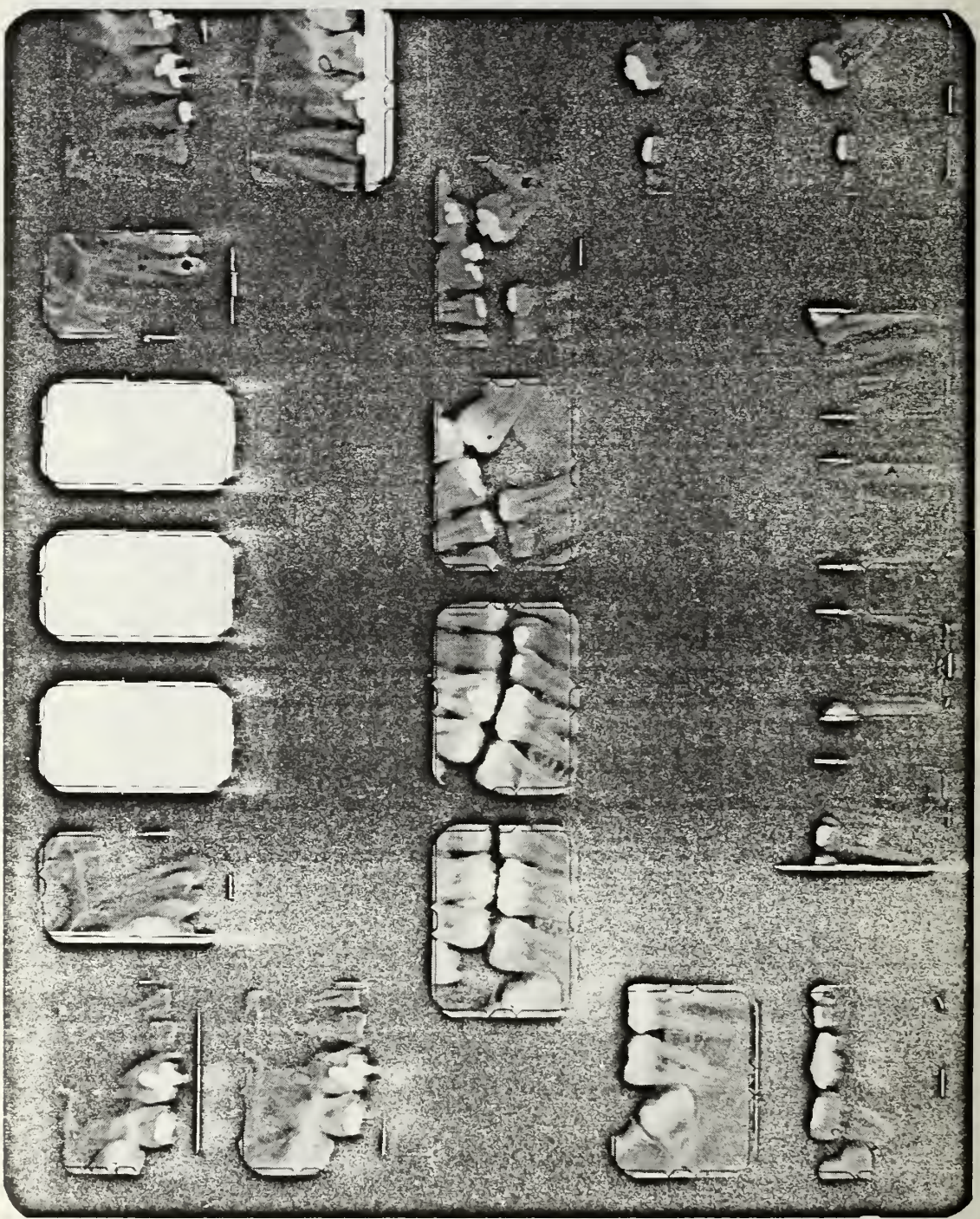






Case #40

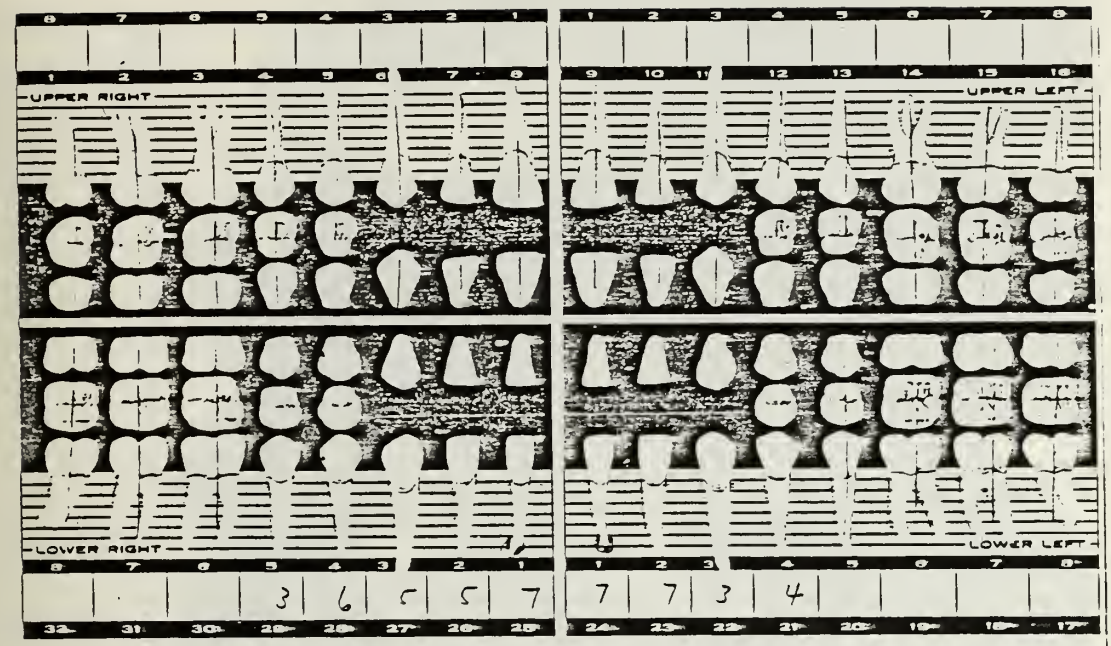


Case #40



Case #40

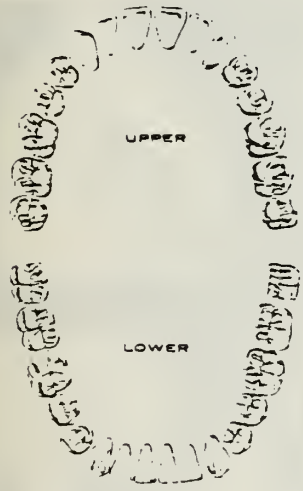
7711



RECOMMENDED TREATMENT

MOLD

SHADE



	Mobility
21	1
23	1
24	3
25	3
201	1
	Periapical vertical osteitis #24, 25

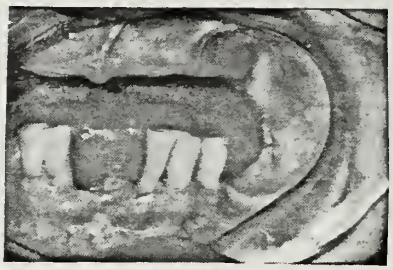
FORM AR

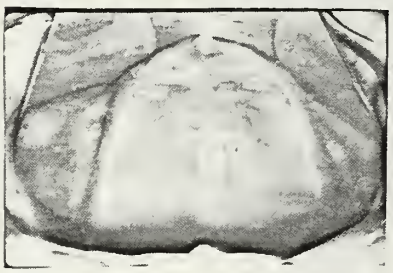
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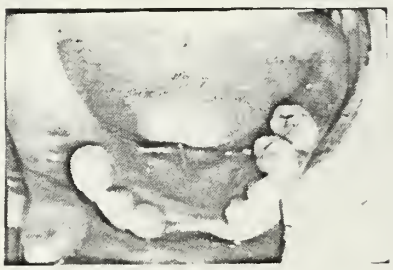
Case #41

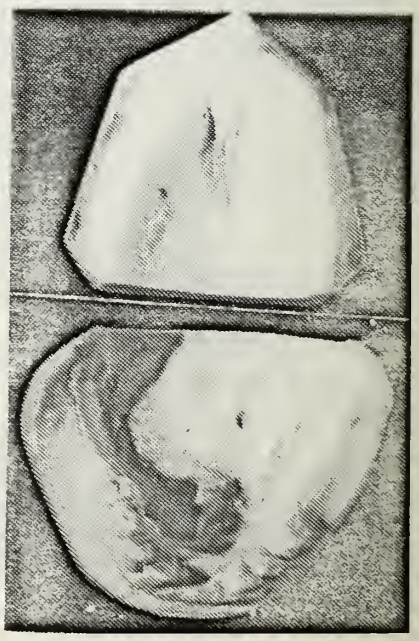




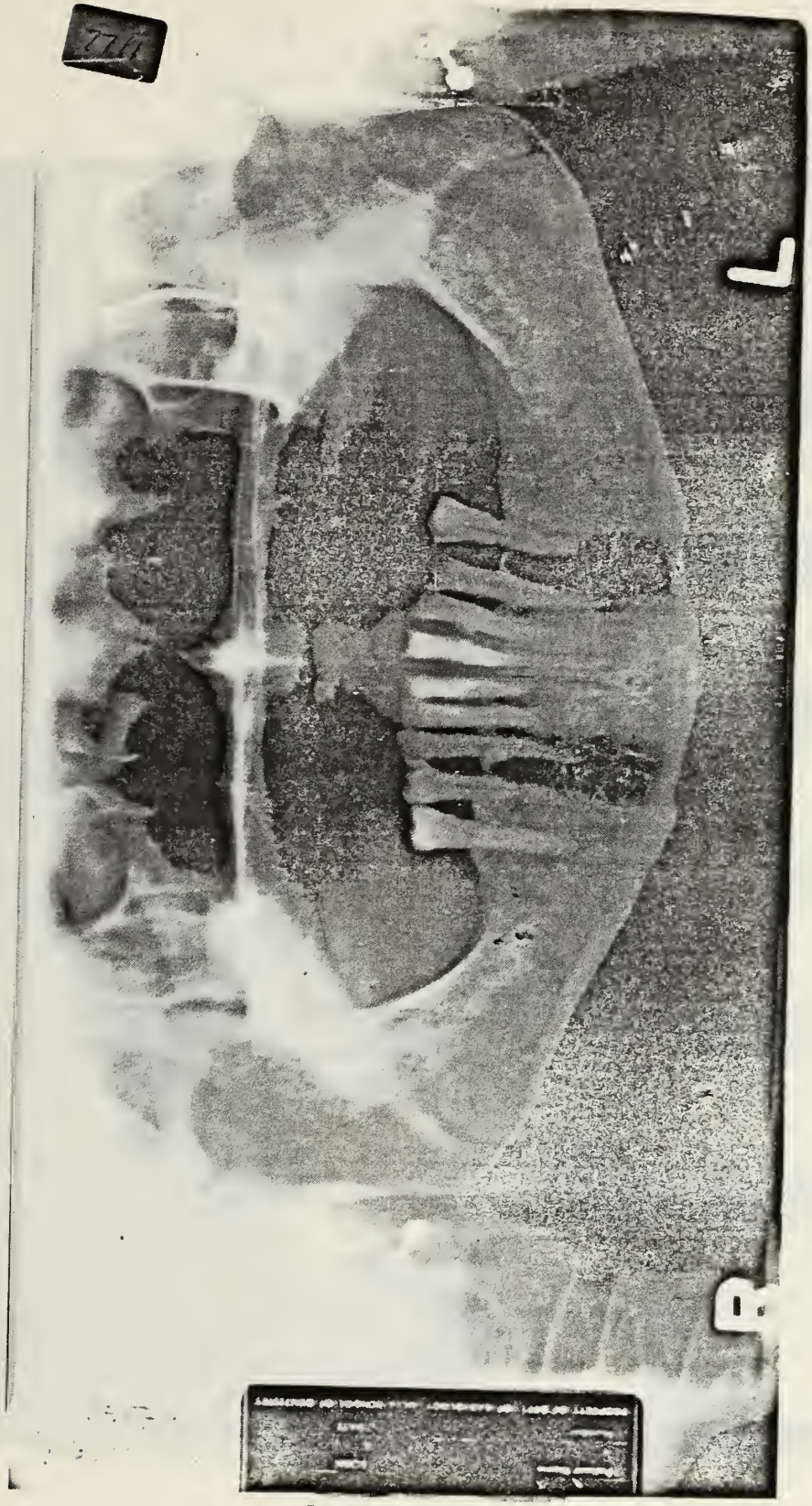




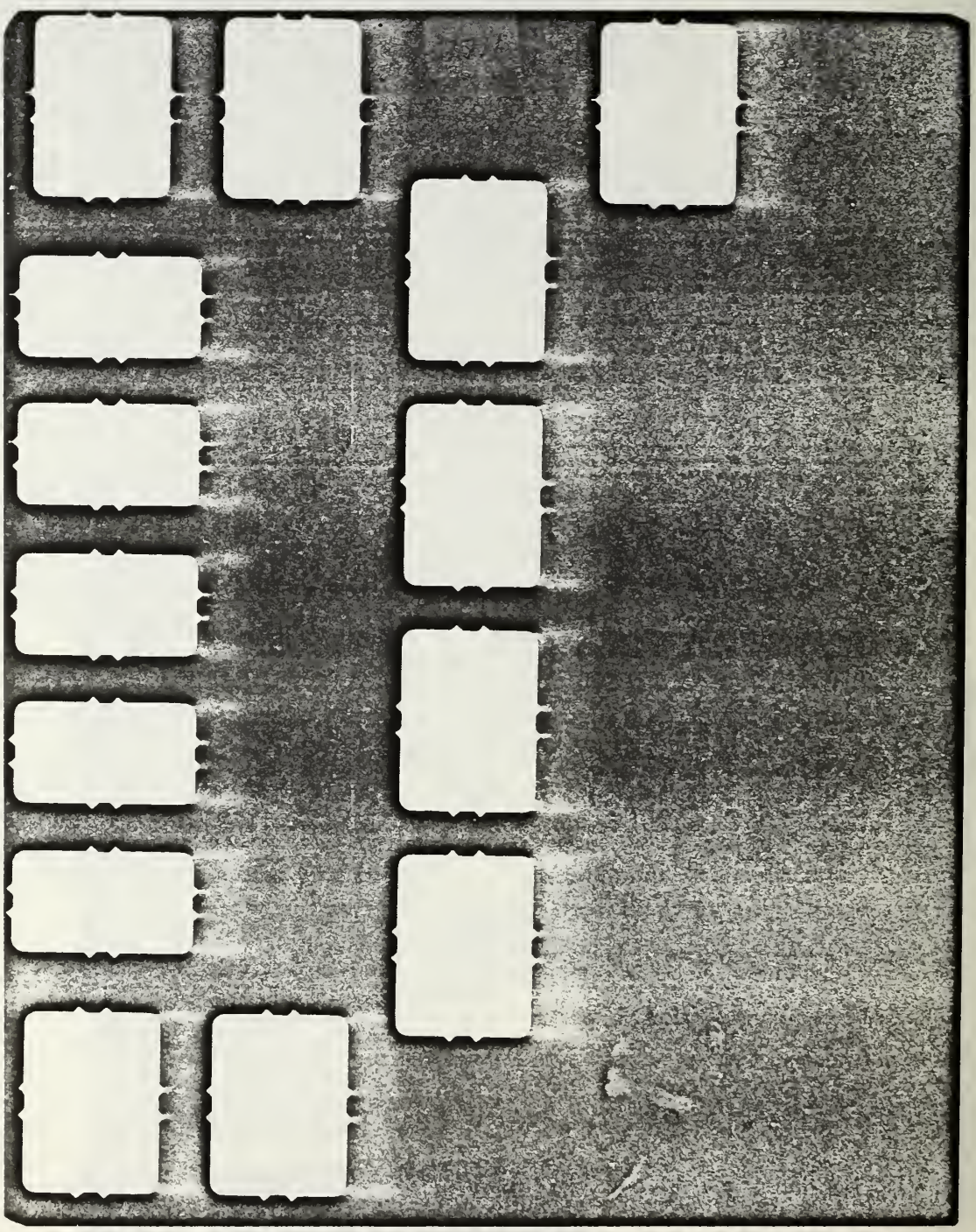




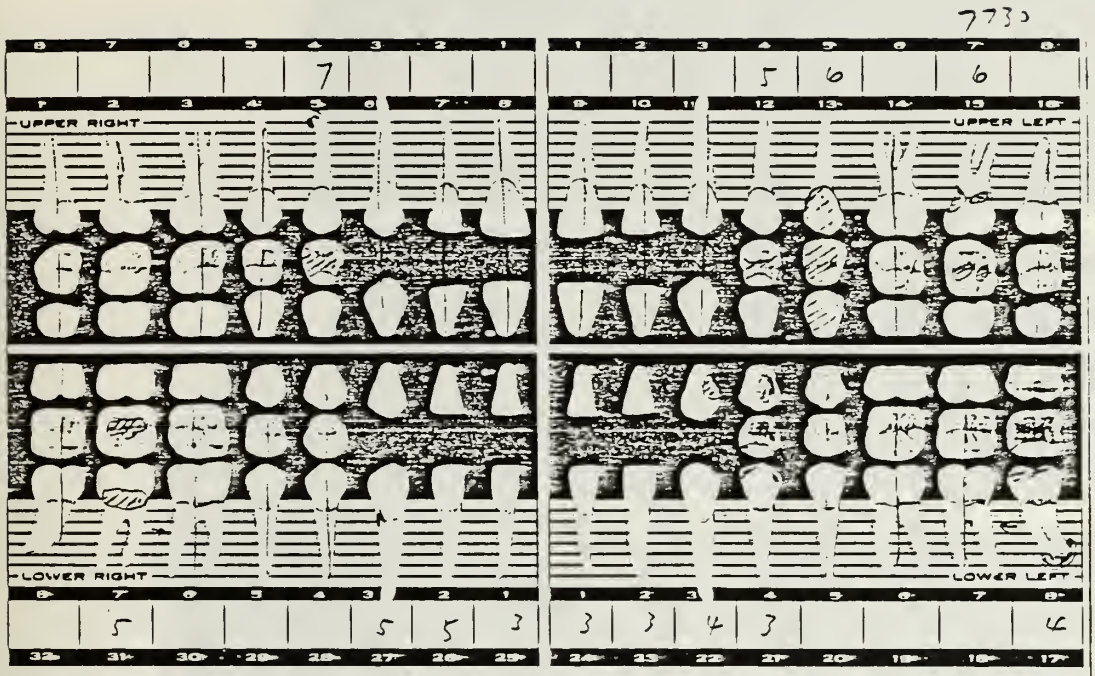
Case #41



Case #41



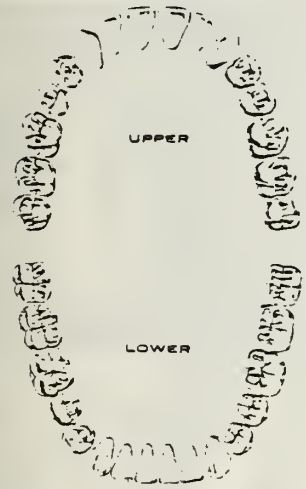
Case #41



RECOMMENDED TREATMENT

MOLD

SHADE



Mobility

12 1

13 2

17 3

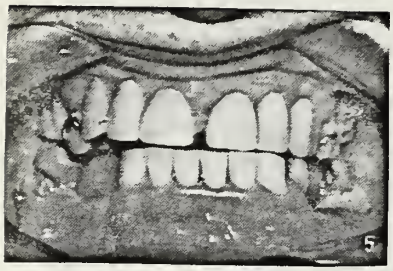
26 1

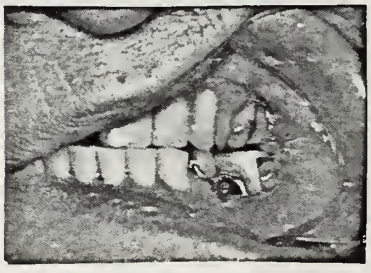
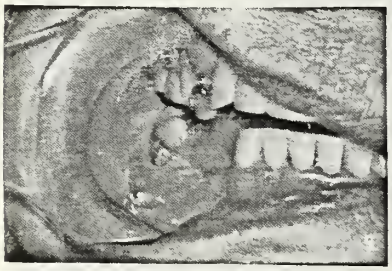
Periapical Rarefying Osteitis #5, 17

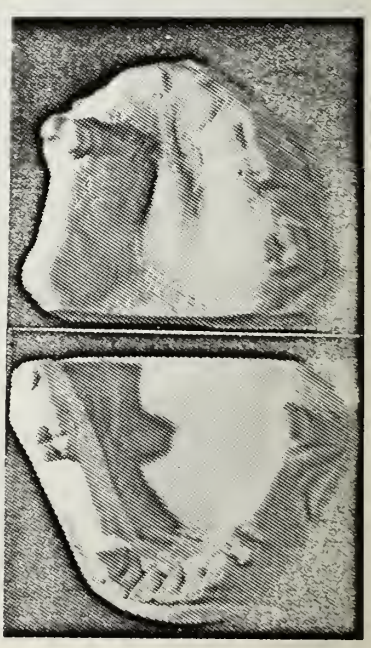
FORM AR

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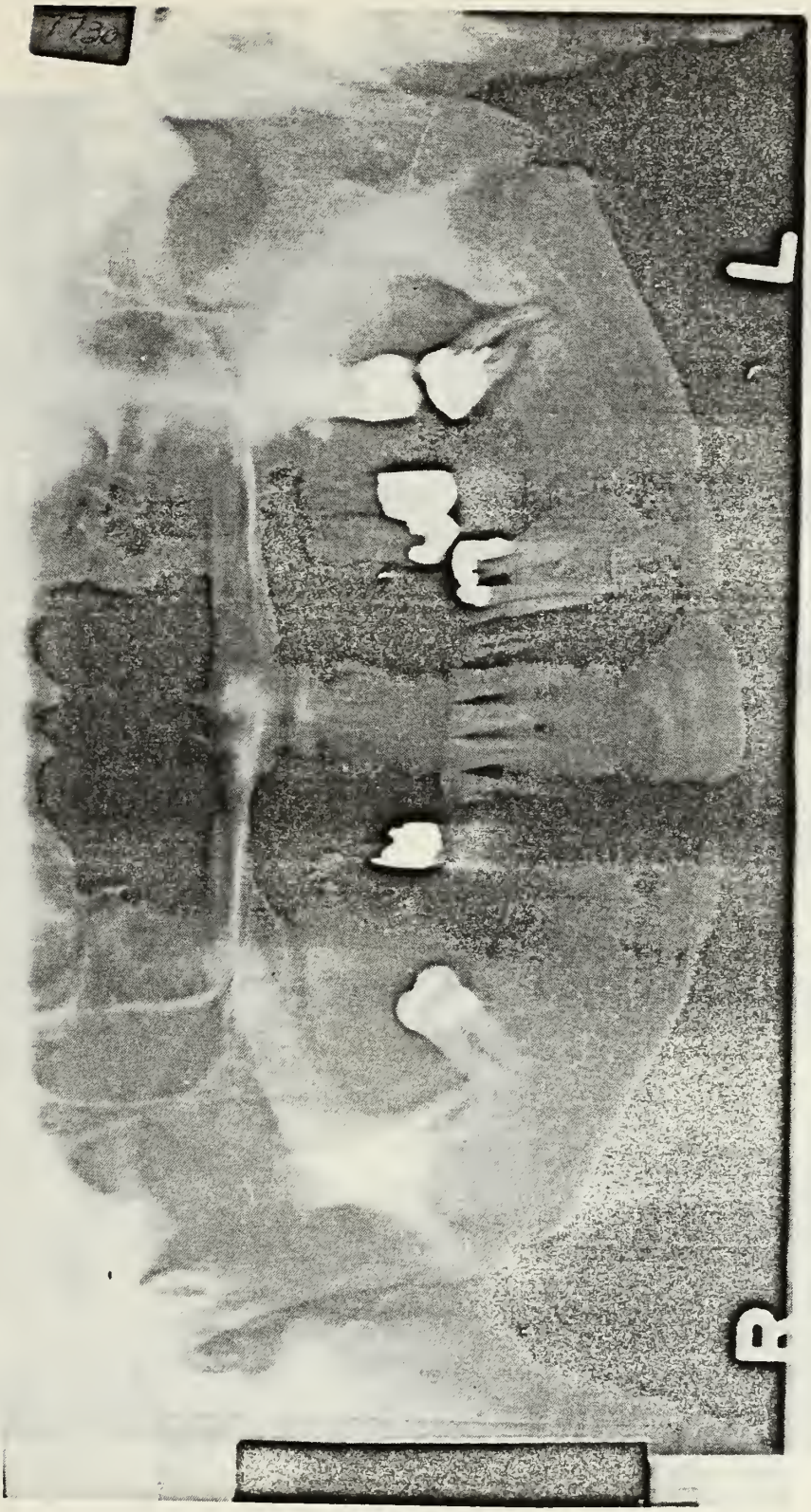
Case #42



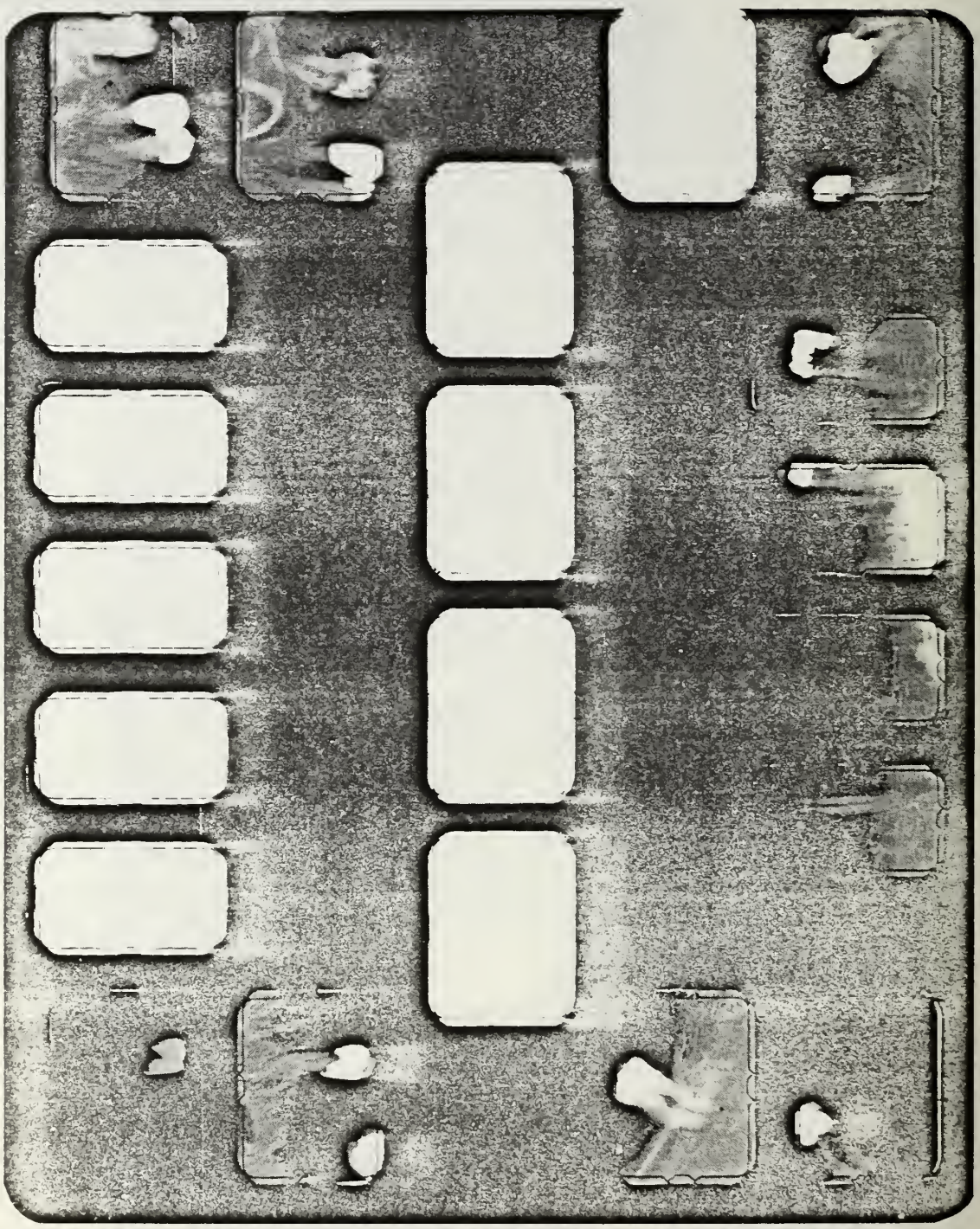




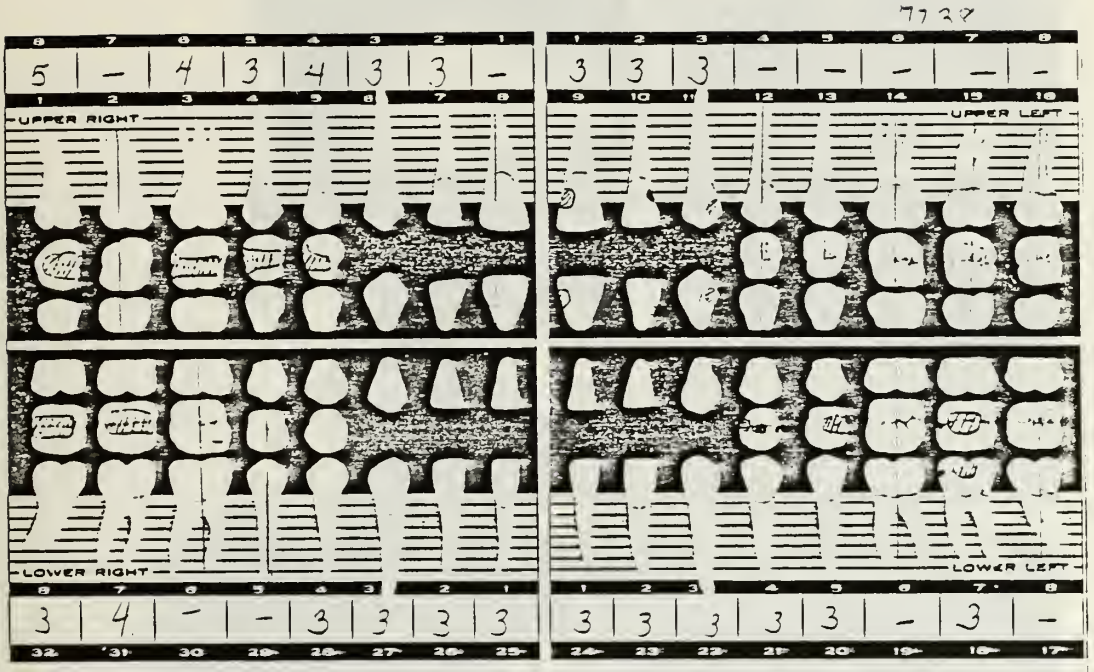
Case #42



Case #42



Case #42



RECOMMENDED TREATMENT

MOLD

SHADE

UPPER

LOWER

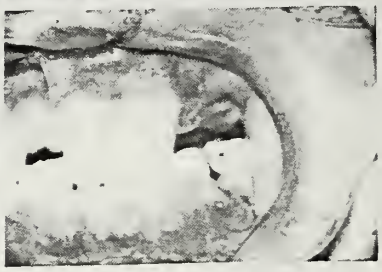
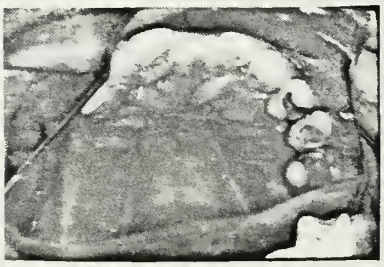
re mobility

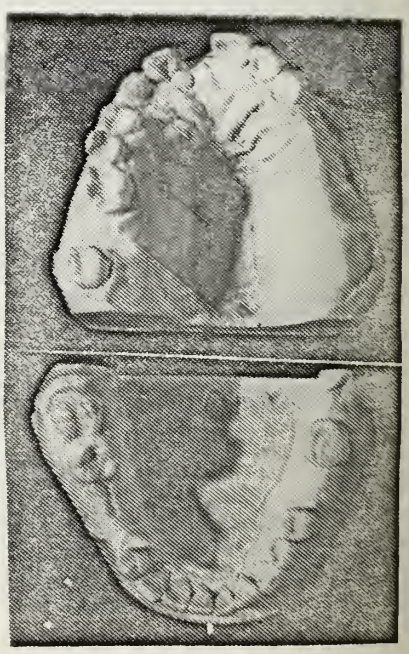
CASE#: 7738
AGE: 47
SEX: MALE
RACE: ORIENTAL

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Case #43

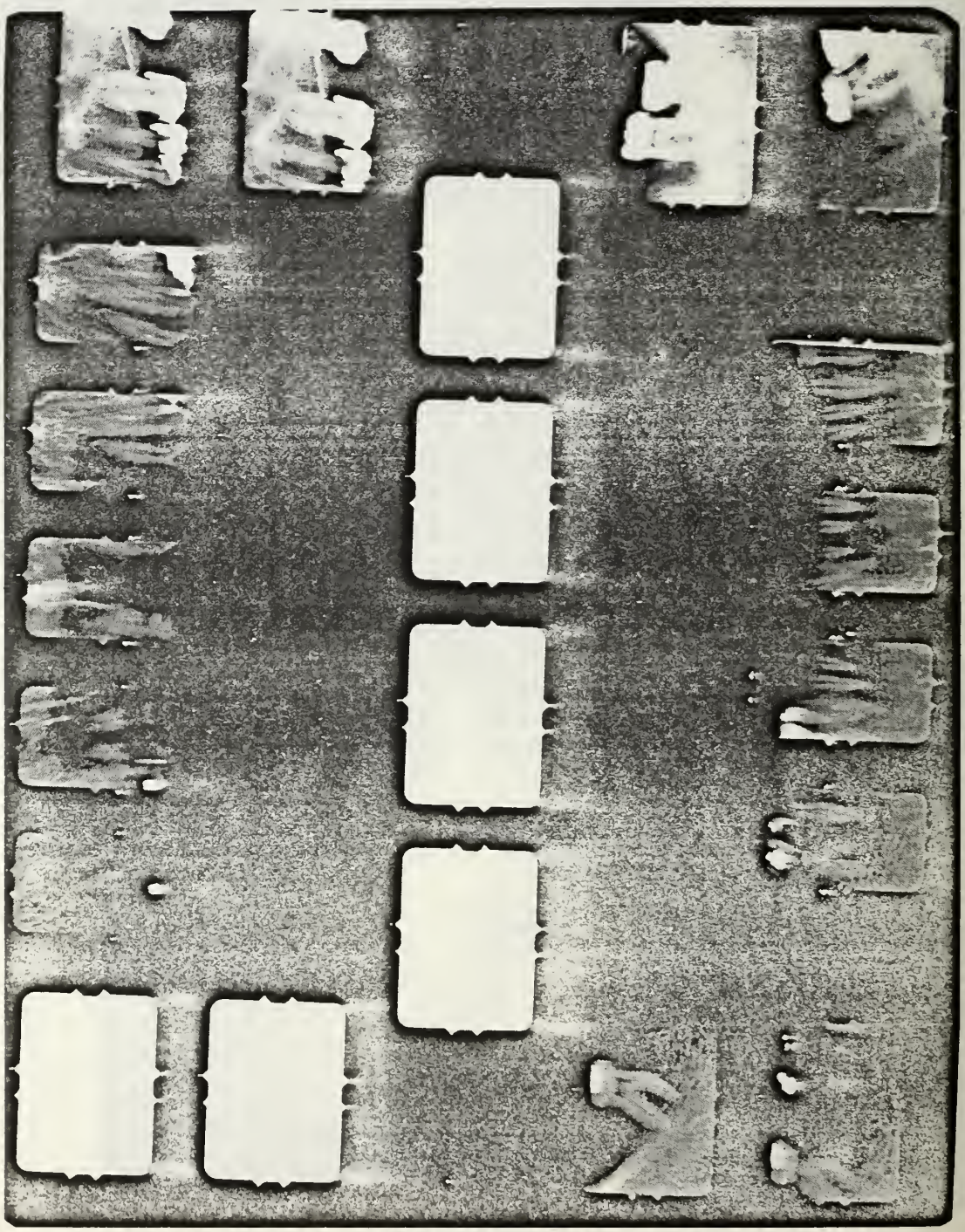


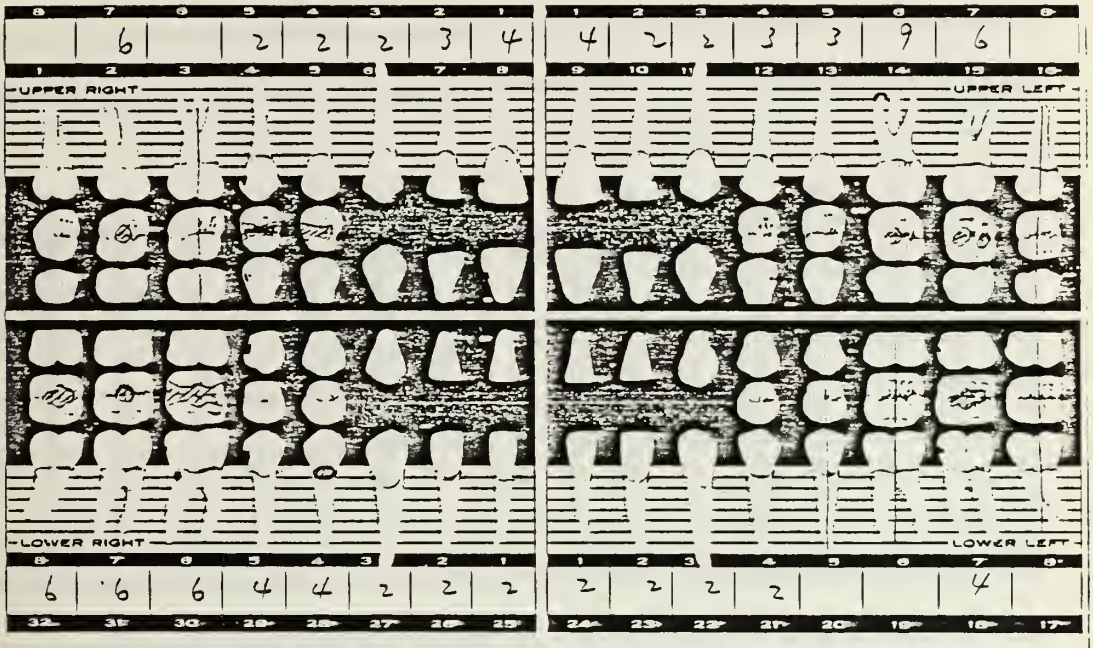
Case #43

Case #43



Case #43

7741



RECOMMENDED TREATMENT

MOLD

SHADE

No mobile teeth

UPPER

LOWER

CASE#: 7741
AGE: 56
SEX: MALE
RACE: WHITE

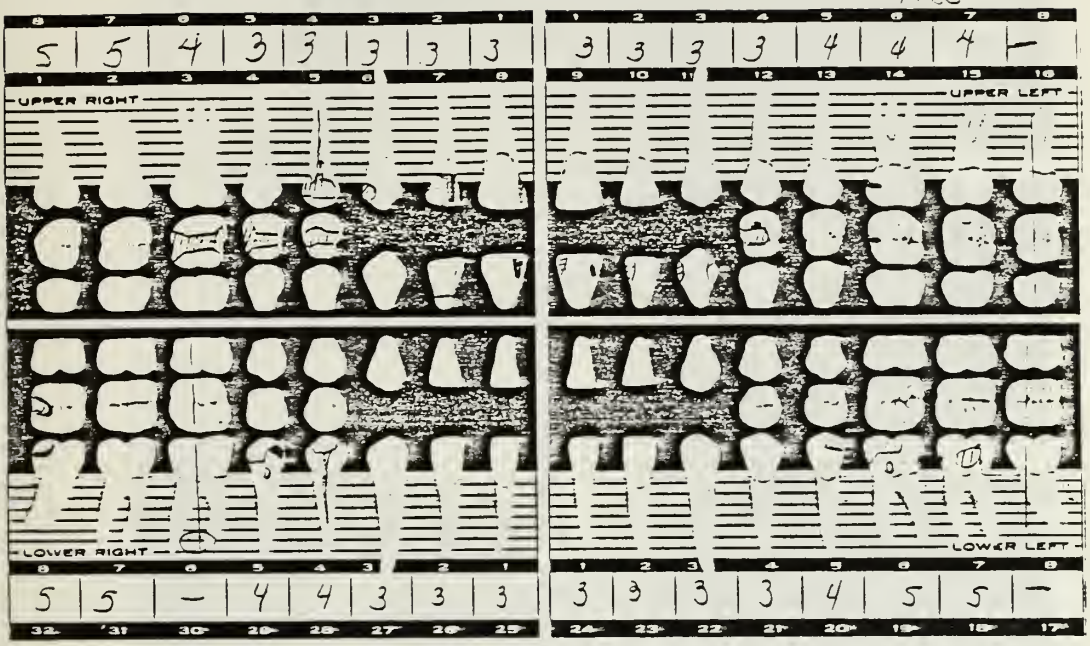
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Case #44



Case #44

7765



RECOMMENDED TREATMENT

MOLD

SHADE

pt is a driver. wears facial
crown but is over
no mobility
recommend [illegible] upper FJS

UPPER

LOWER

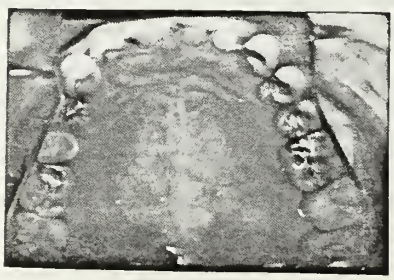
FORM AR

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Case #45



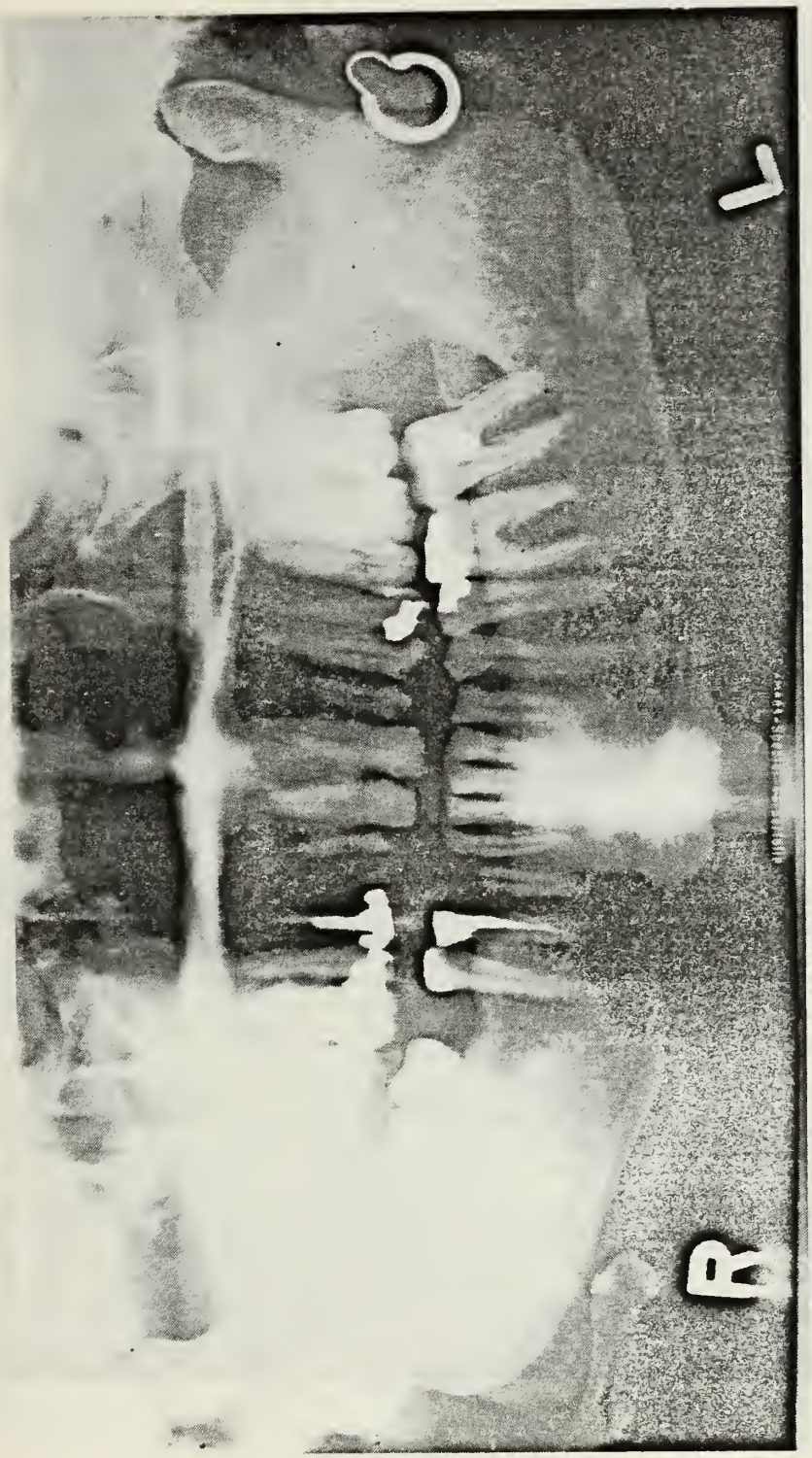






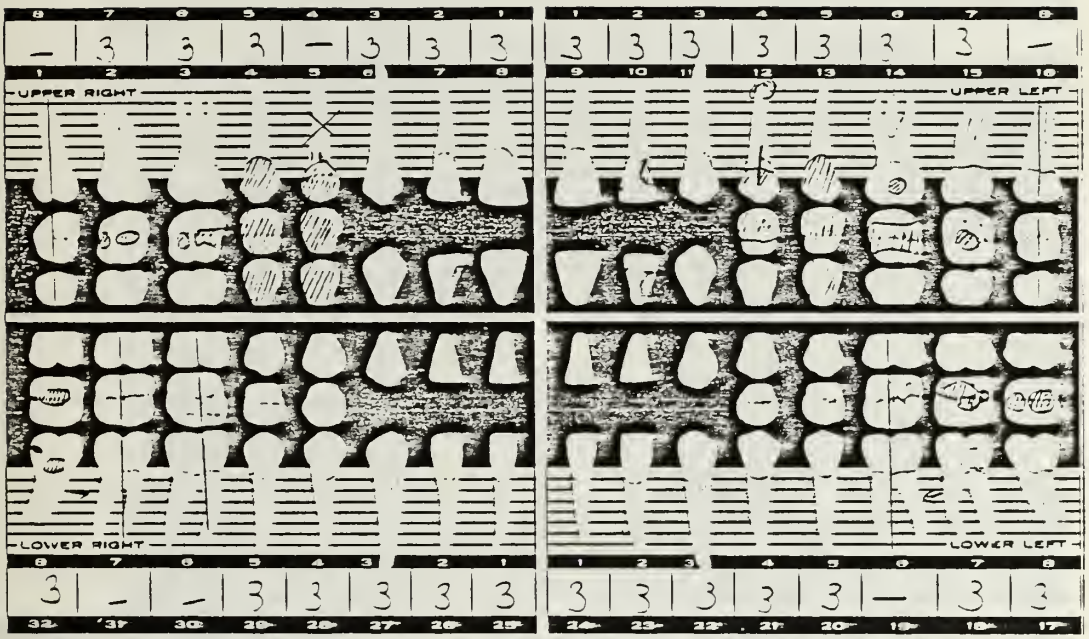


Case #45



Case #45

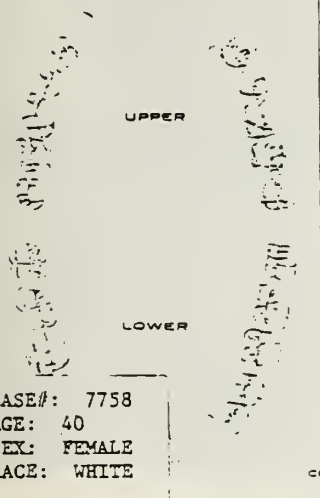
Case #45



RECOMMENDED TREATMENT

MOLD

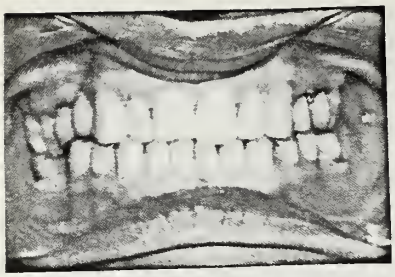
SHADE



CASE#: 7758
AGE: 40
SEX: FEMALE
RACE: WHITE

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Case #46

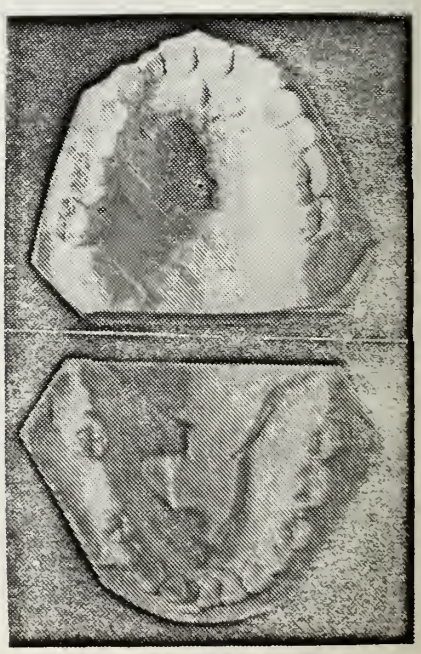




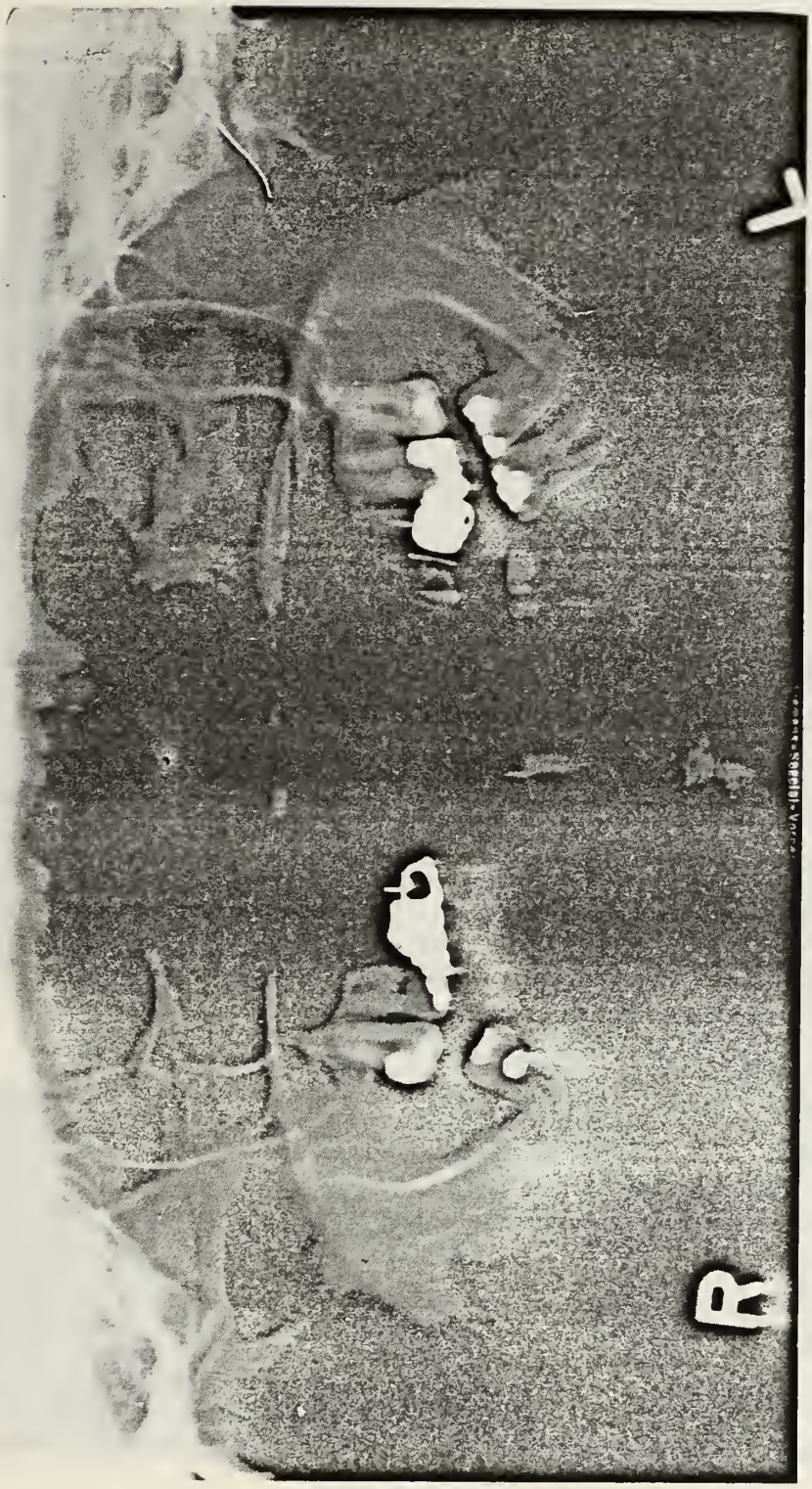








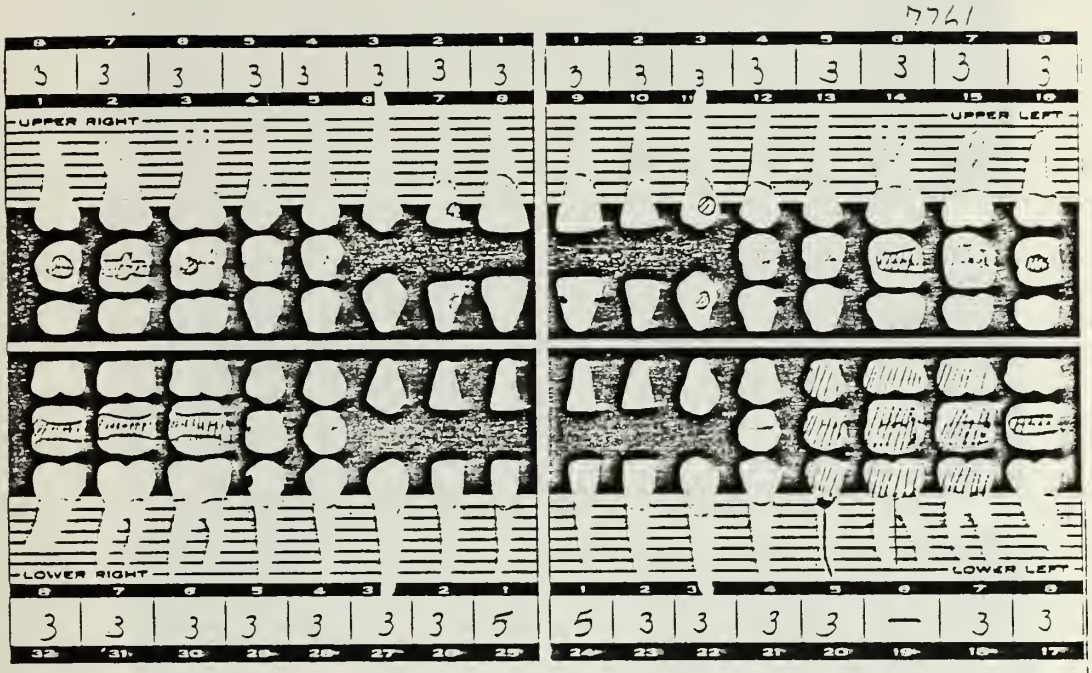
Case #46



Case #46

Case #46

7761



RECOMMENDED TREATMENT

MOLD

SHADE

-Mighty Fit 825 Clasp

UPPER

LOWER

CASE#: 7761
AGE: 43
SEX: MALE
RACE: WHITE

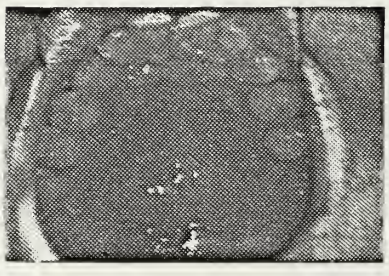
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Case #47





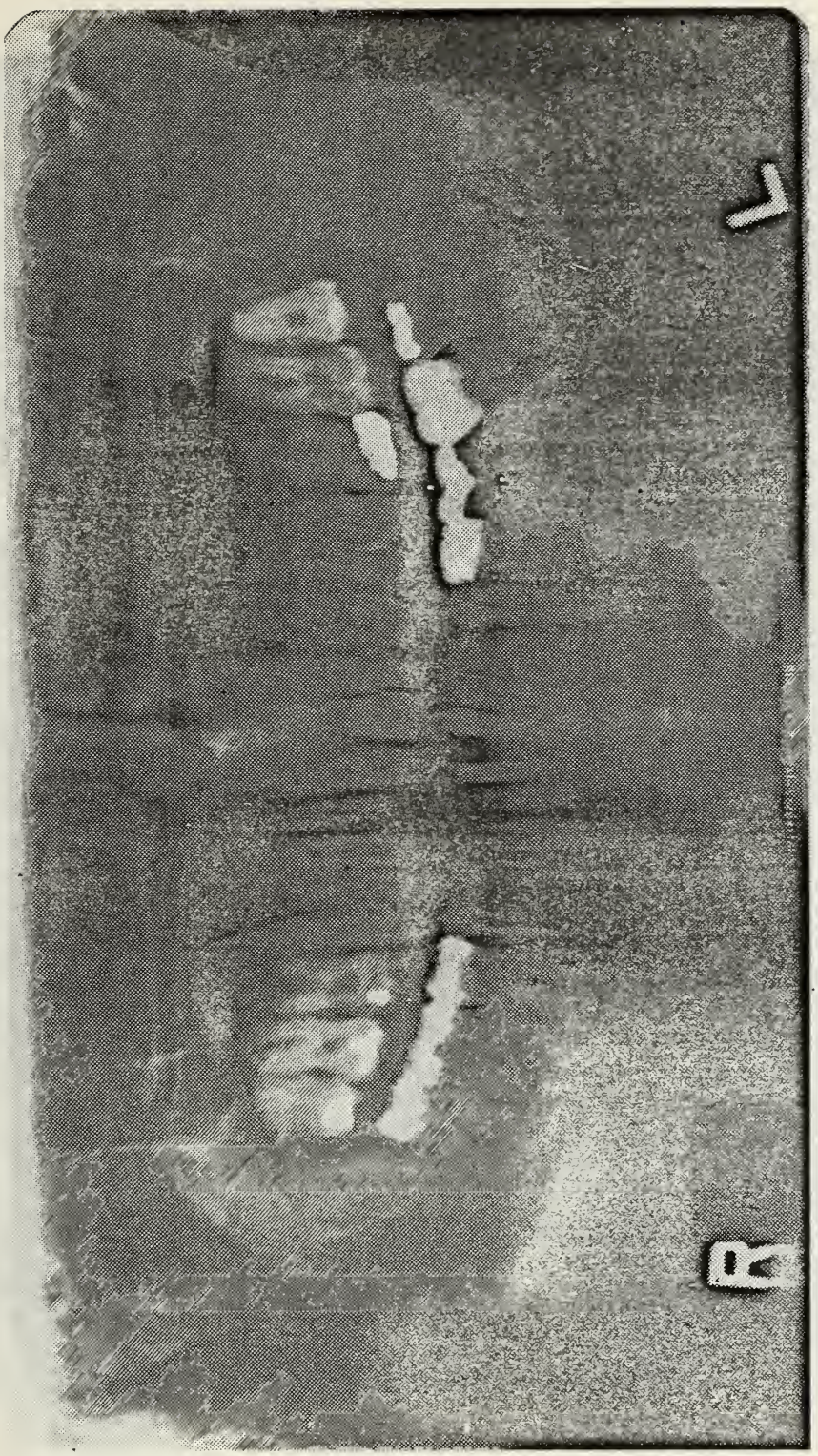




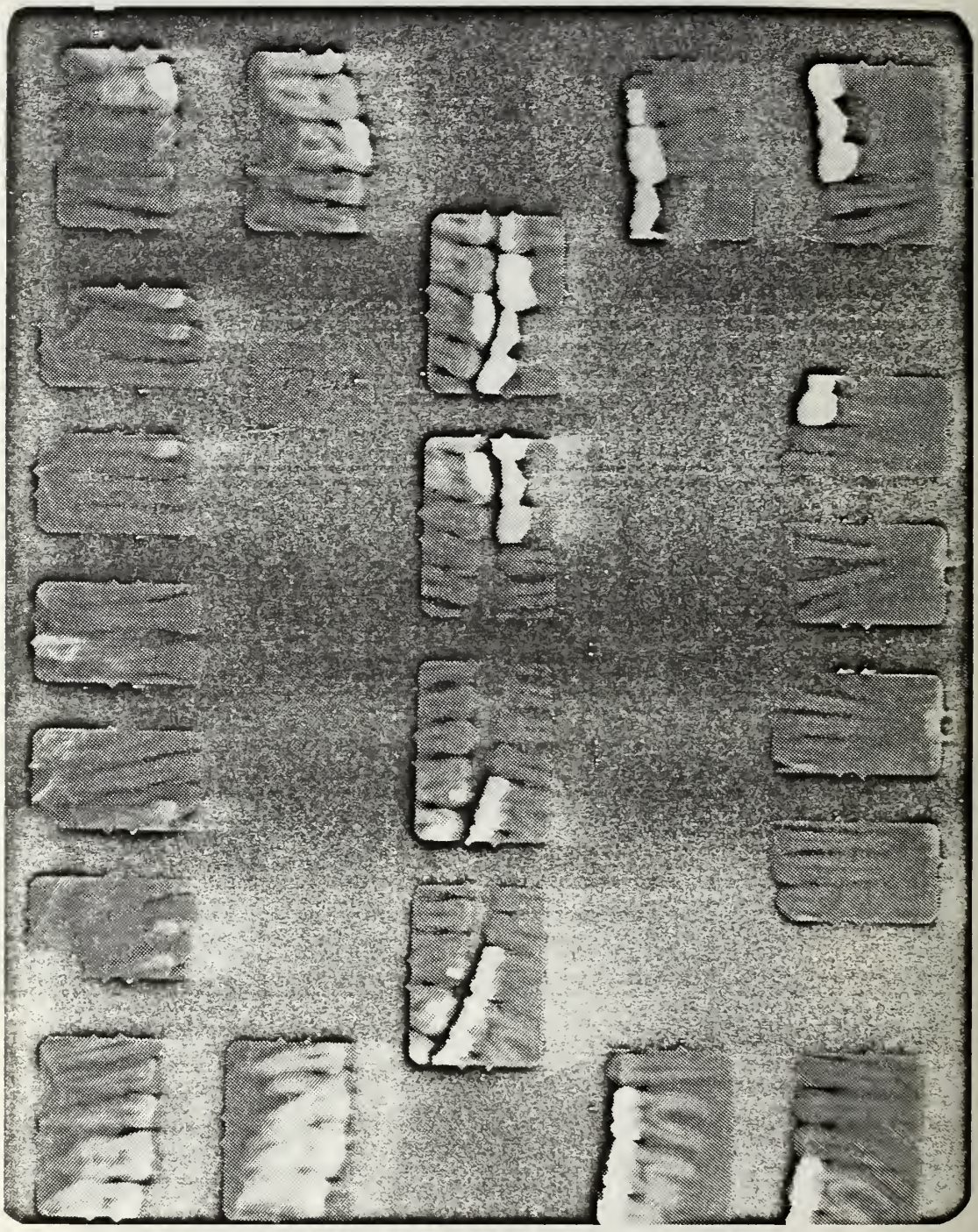




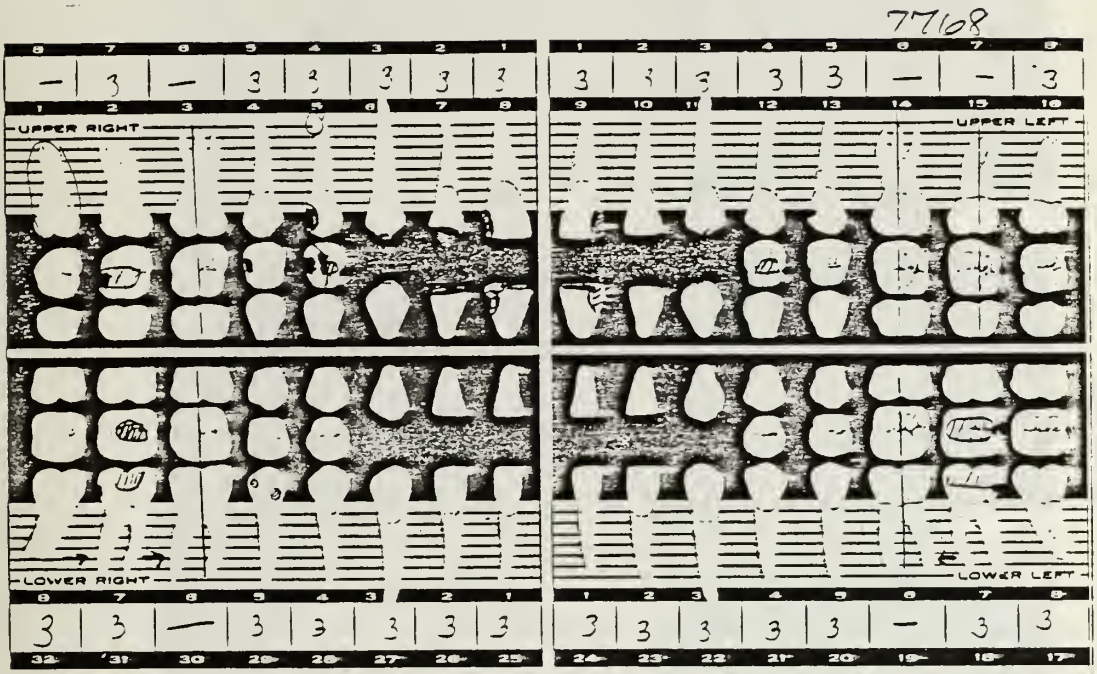
Case #47



Case #47



Case #47



RECOMMENDED TREATMENT

MOLD

SHADE

UPPER

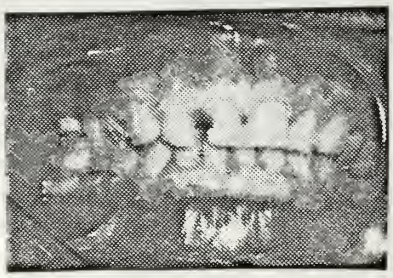
LOWER

CASE#: 7768
AGE: 49
SEX: MALE
RACE: WHITE

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Case #48

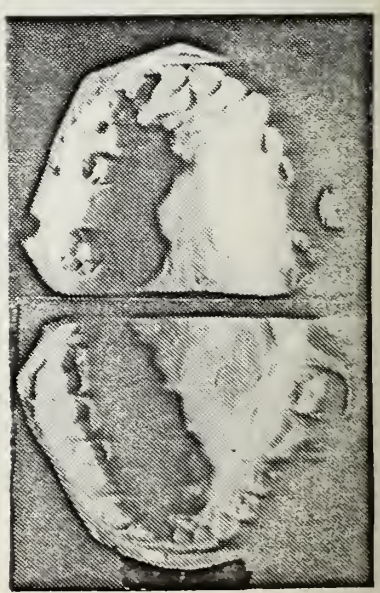




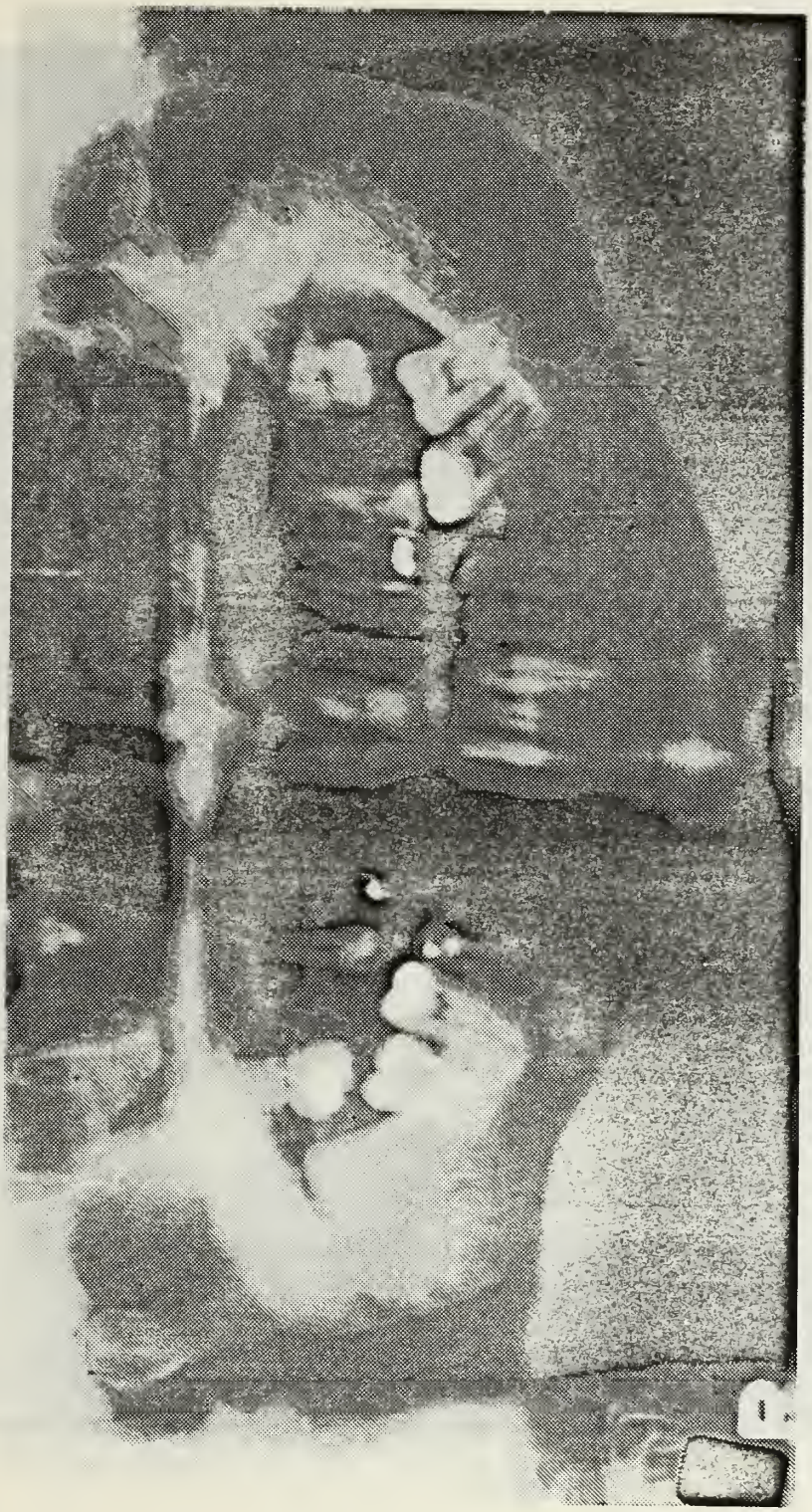




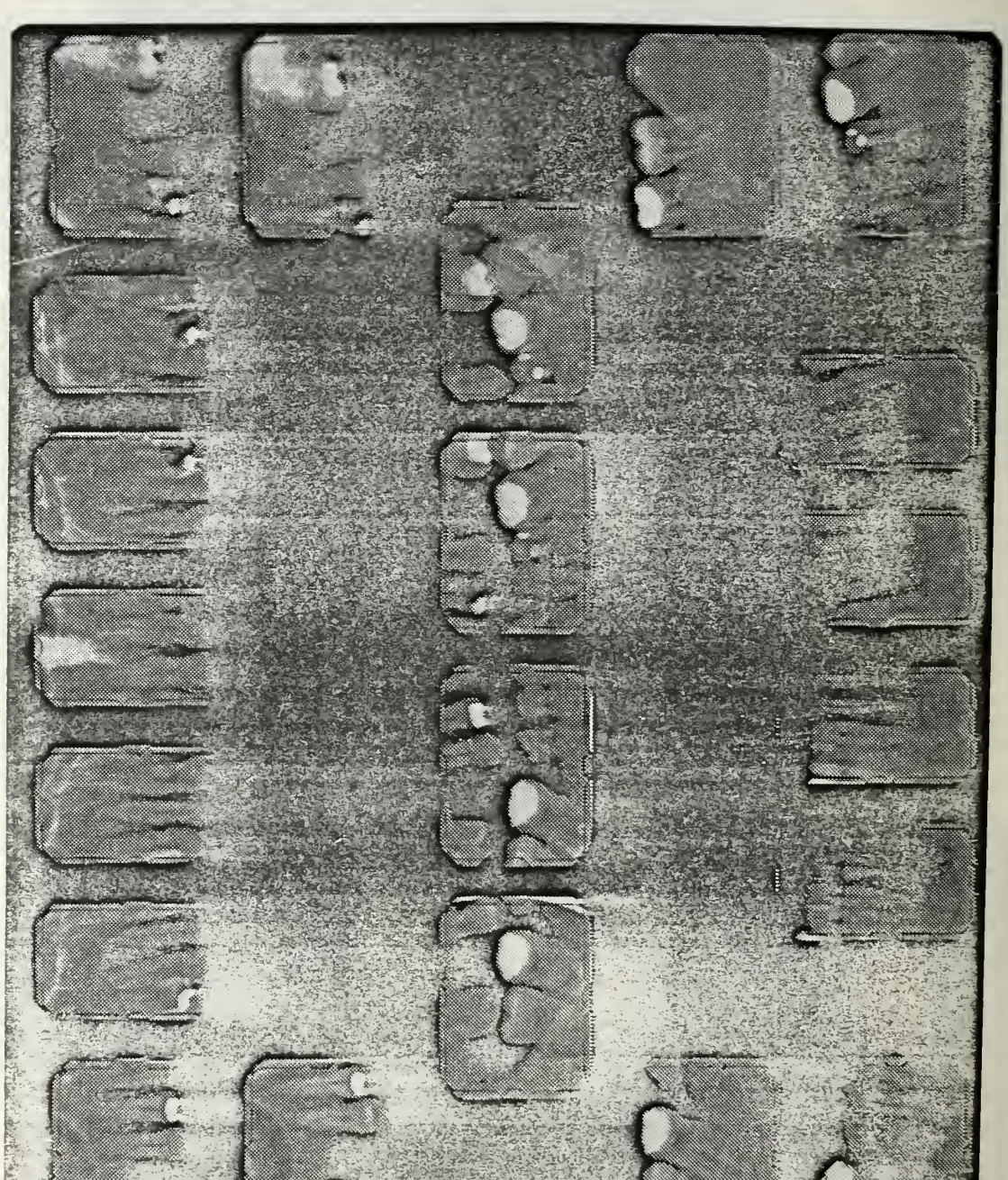




Case #48

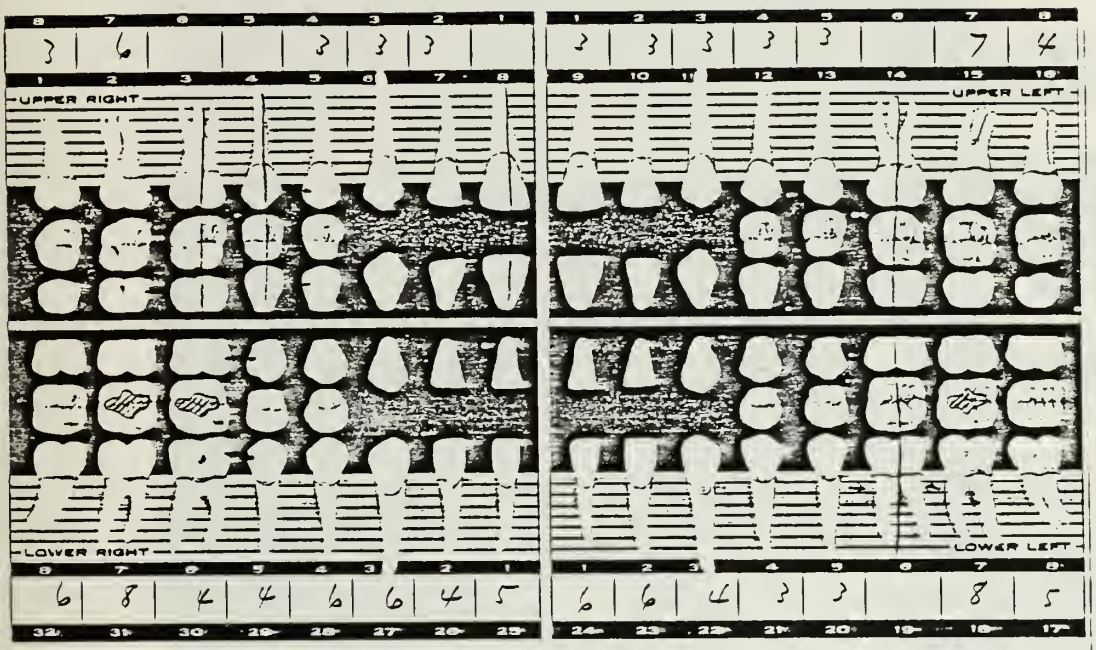


Case #48



Case #48

7770



RECOMMENDED TREATMENT

MOLD

SHADE

Mesial Tip

2 /
15 /
18 /
24 /
25 /
31 /

UPPER

LOWER

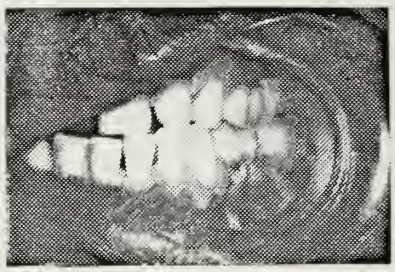
CASE#: 7770
AGE: 34
SEX: MALE
RACE: SPANISH SURNAME

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Case #49

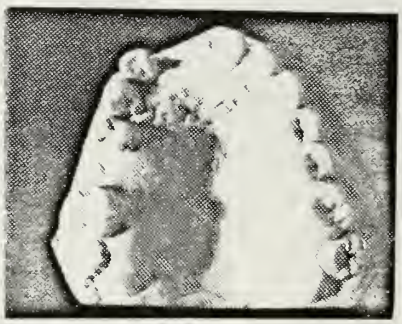










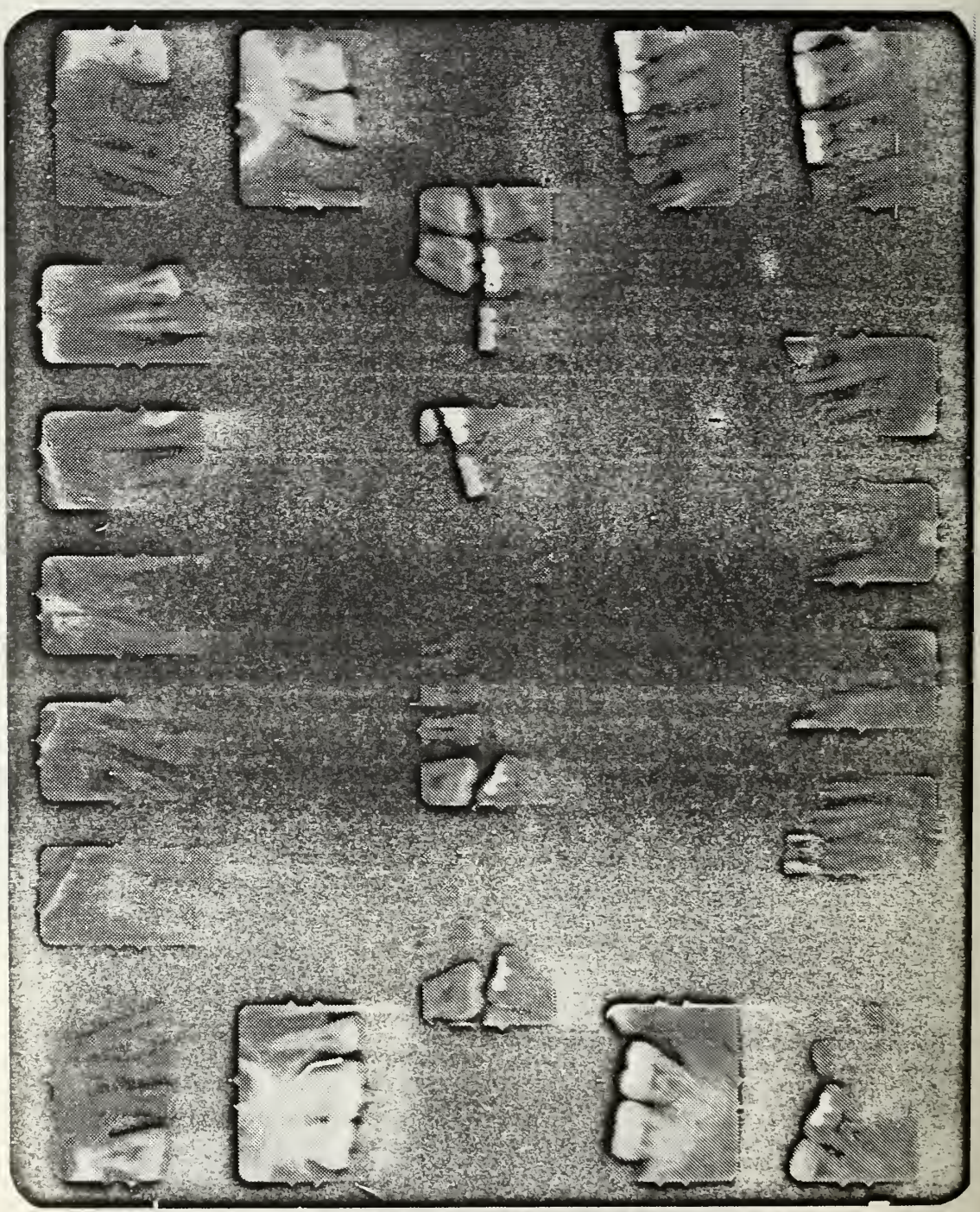




Case #49

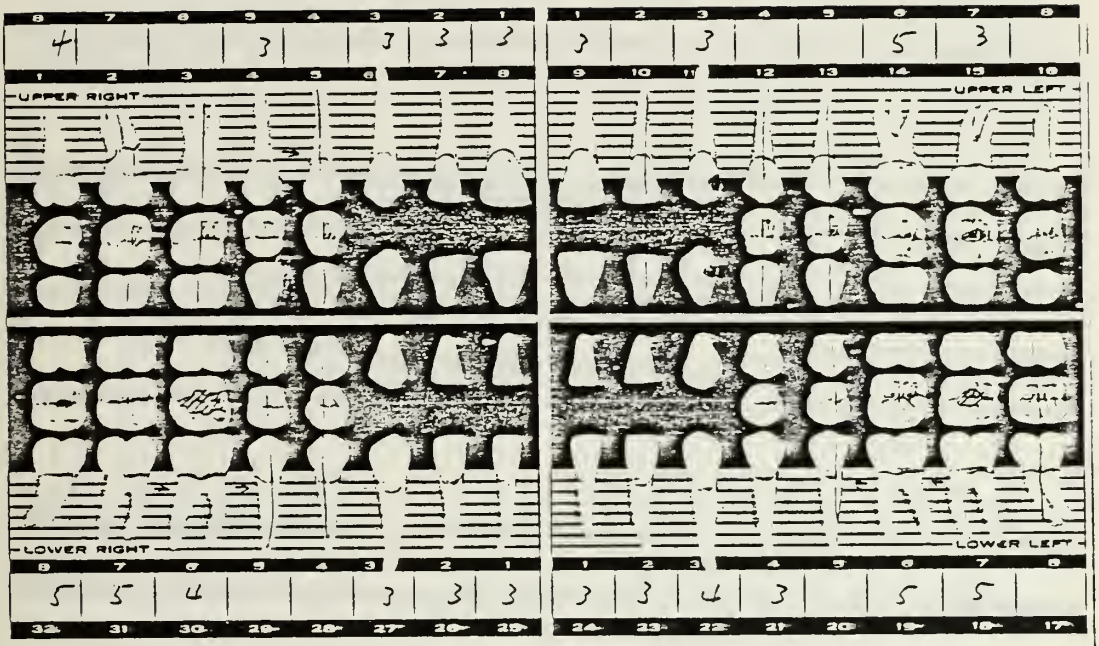


Case #49



Case #49

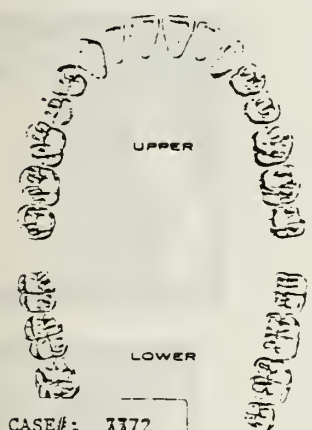
7772



RECOMMENDED TREATMENT

MOLD

SHADE



Mobility

1 1
2 3
2S 1
2M 1
2L 1
2L 1

Popping in both R & L TMJ

CASE#: 7372
AGE: 65
SEX: FEMALE
RACE: WHITE

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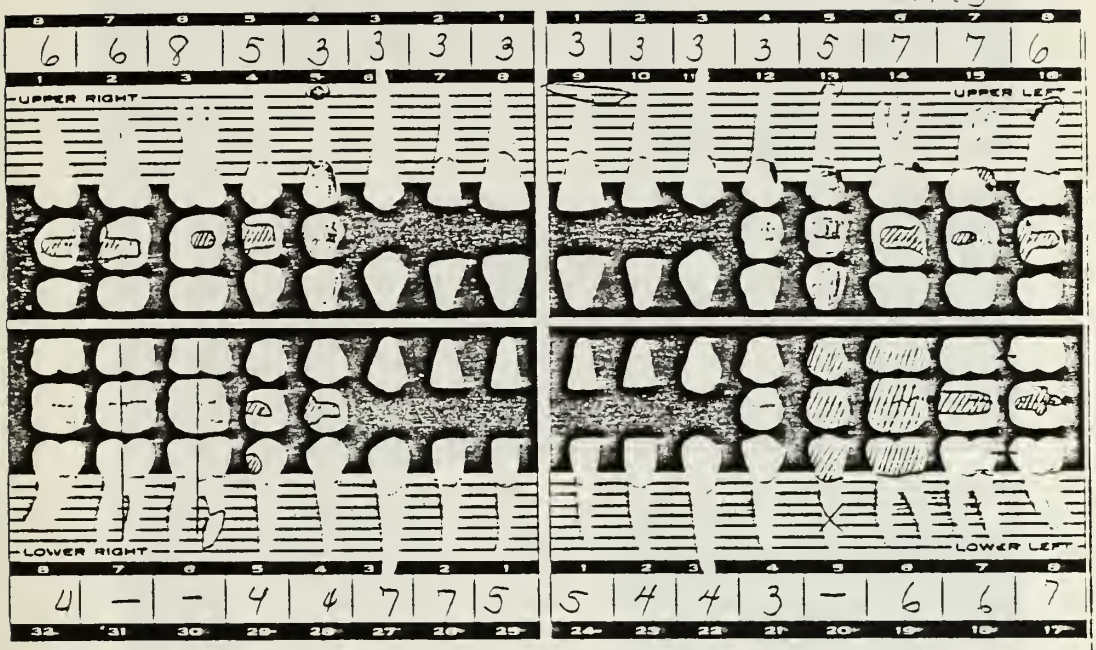
Case #50





Case #50

7775



RECOMMENDED TREATMENT

MOLD

SHADE

UPPER

LOWER

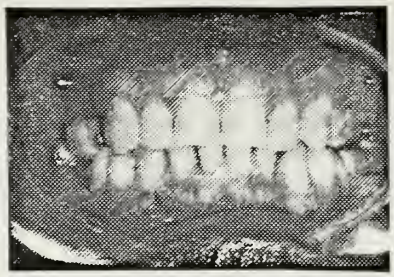
CASE#: 7775
AGE: 42
SEX: MALE
RACE: INDIAN

Replacing extrac #5, 13, 16
UV
UV fragment #30
Superimpose #10
UV
Maxillary RPD
CLASP #1, 2, 5, 3, 4, 17, 18, 24, 25, 26
CLASS II 15
CLASS III 16

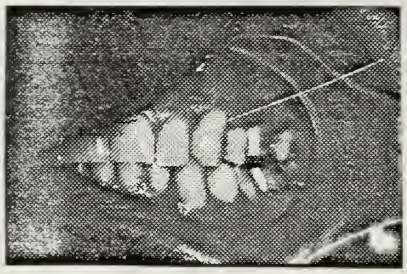
ALUMINUM SHELL TEMPORARY CROWNS #5, #13

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Case #51



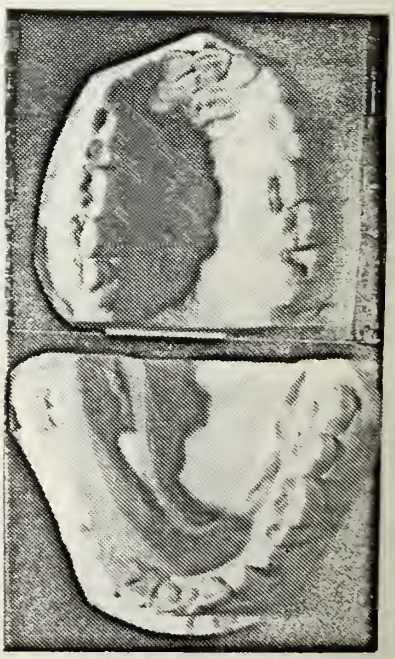




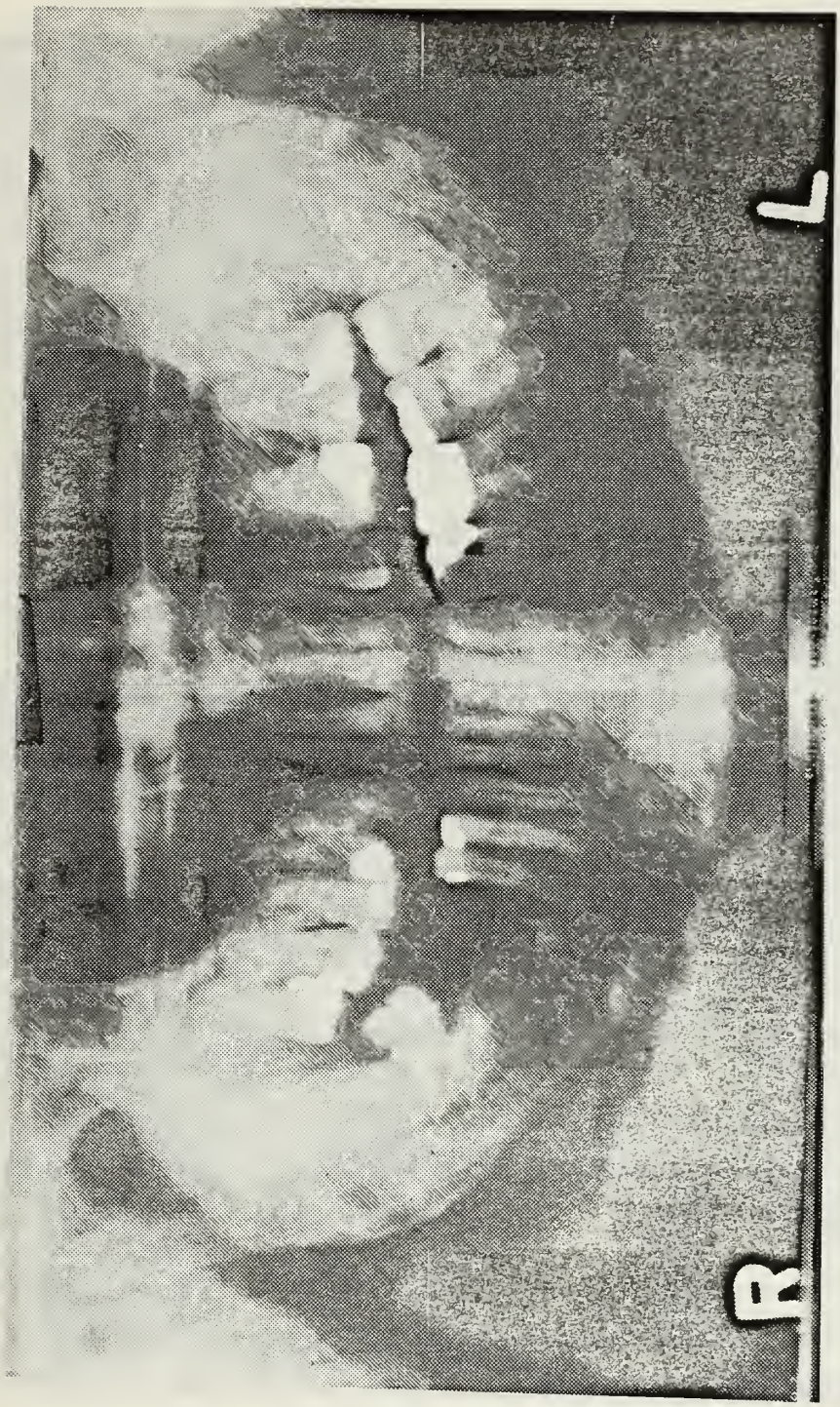






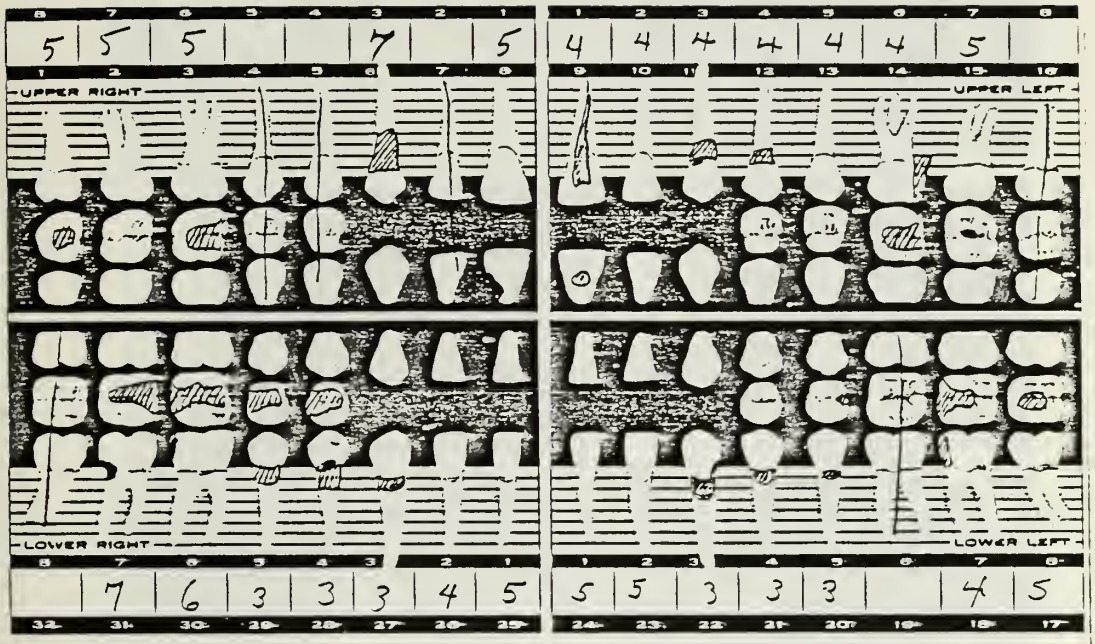


Case #51



Case #51

Case #51

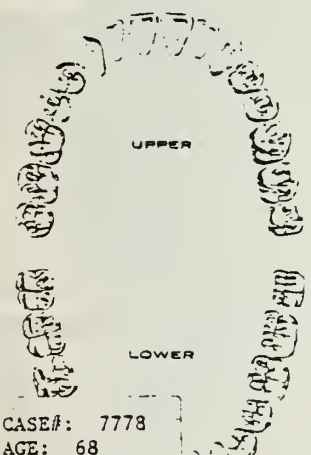


7778 MOLD

SHADE

RECOMMENDED TREATMENT

Midline #6 = 2
#29 = 1
#24 = 1
#25 = 1



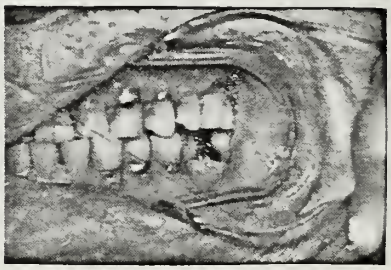
CASE#: 7778
AGE: 68
SEX: FEMALE
RACE: WHITE

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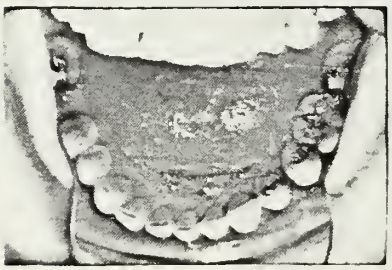
Case #52

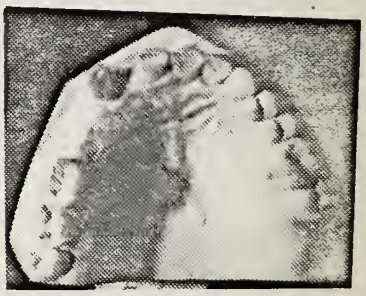






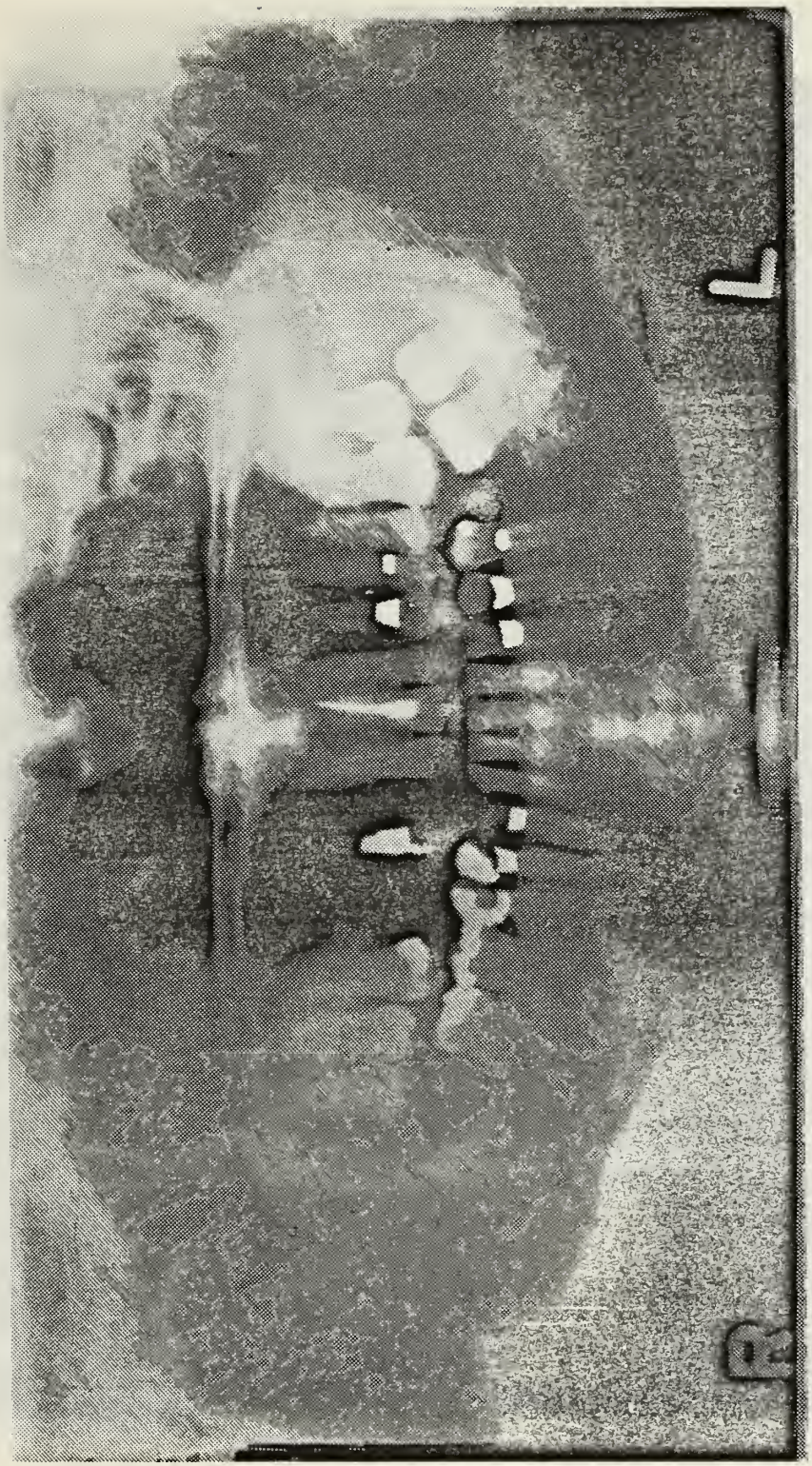




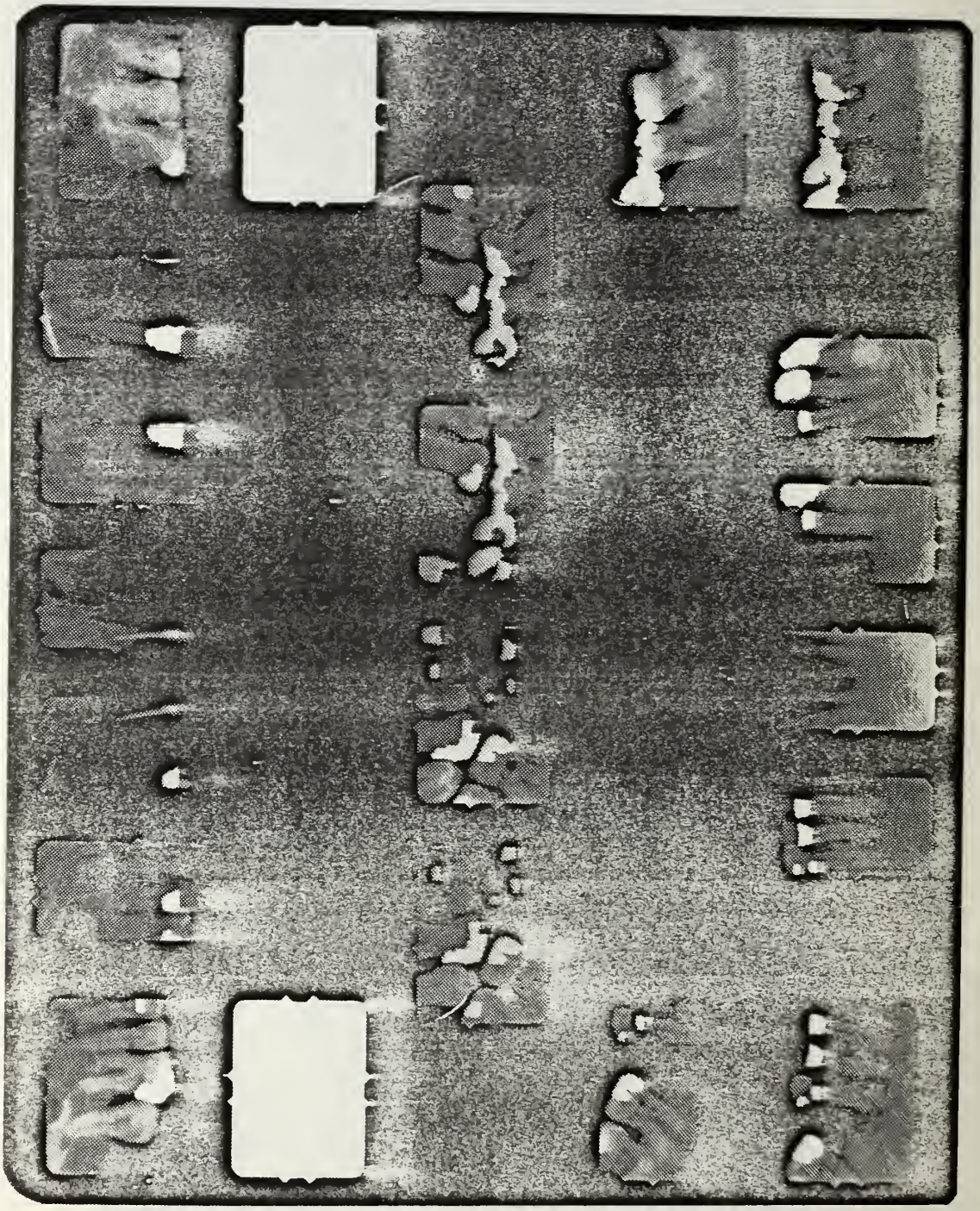




Case #52

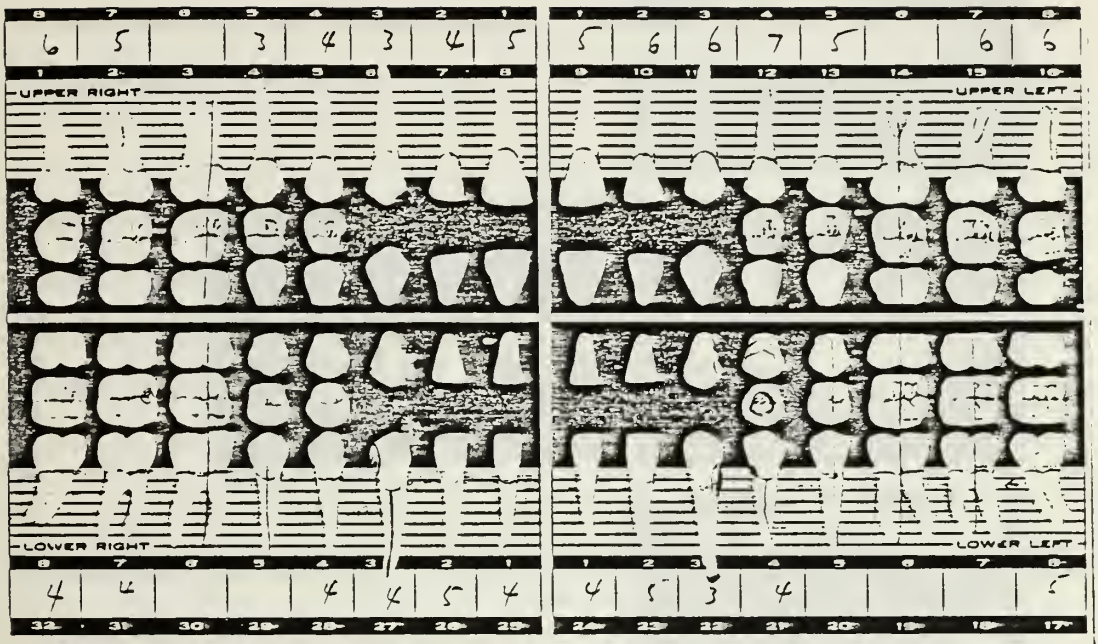


Case #52



Case #52

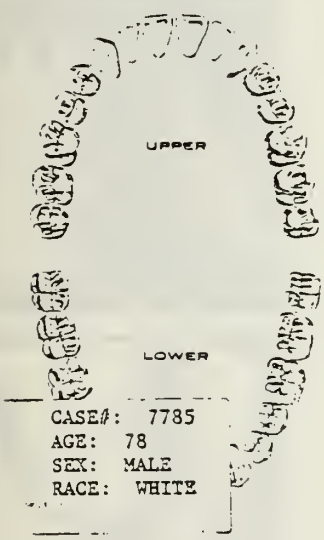
7785



RECOMMENDED TREATMENT

MOLD

SHADE



CASE#: 7785
AGE: 78
SEX: MALE
RACE: WHITE

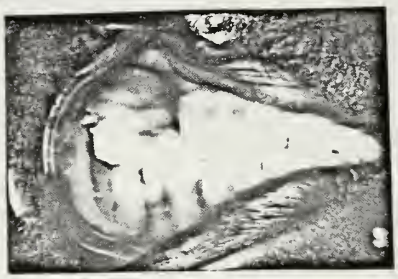
	Mobility
5	1
7	1
10	1
12	1
13	1
16	1
21	2
26	2
25	2
24	2
23	2
28	1

Partial-cast removable dentures #22

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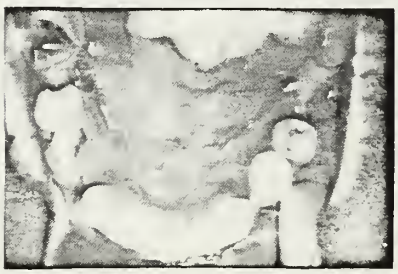
Case #53

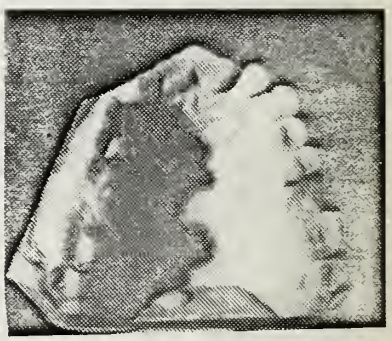








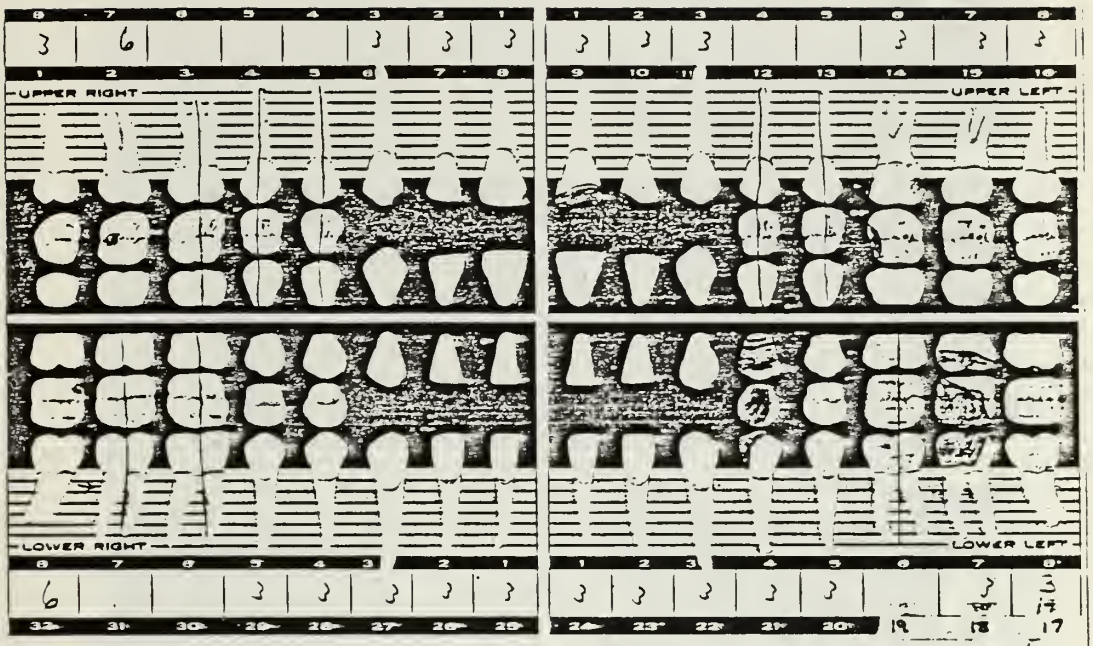






Case #53

7789

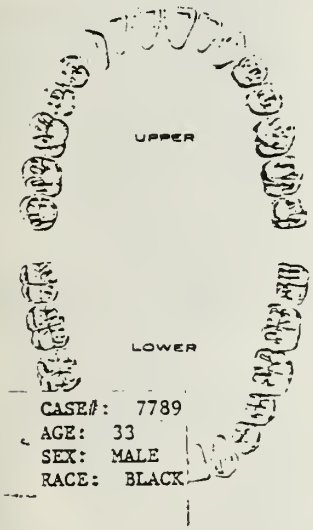


RECOMMENDED TREATMENT

MOLD

SHADE

No mobile work
Reach to units #21



CASE#: 7789
AGE: 33
SEX: MALE
RACE: BLACK

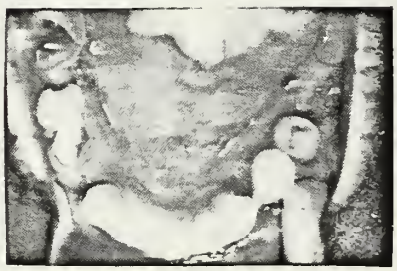
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Case #54

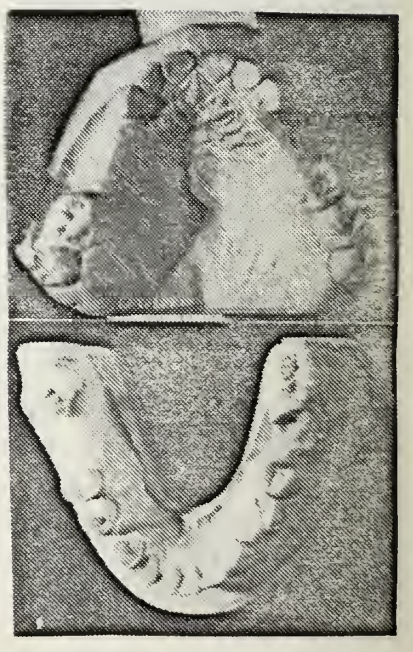




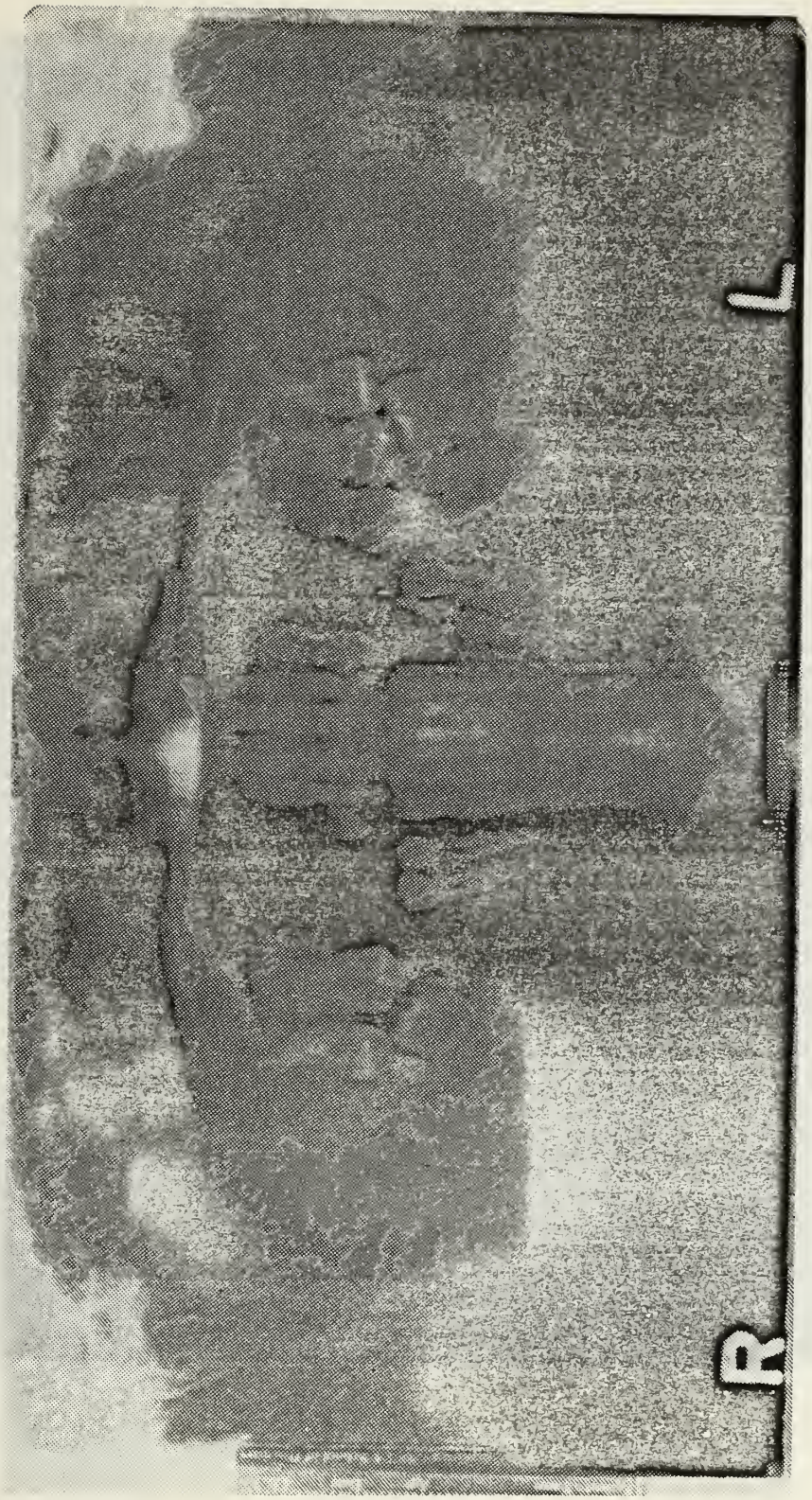




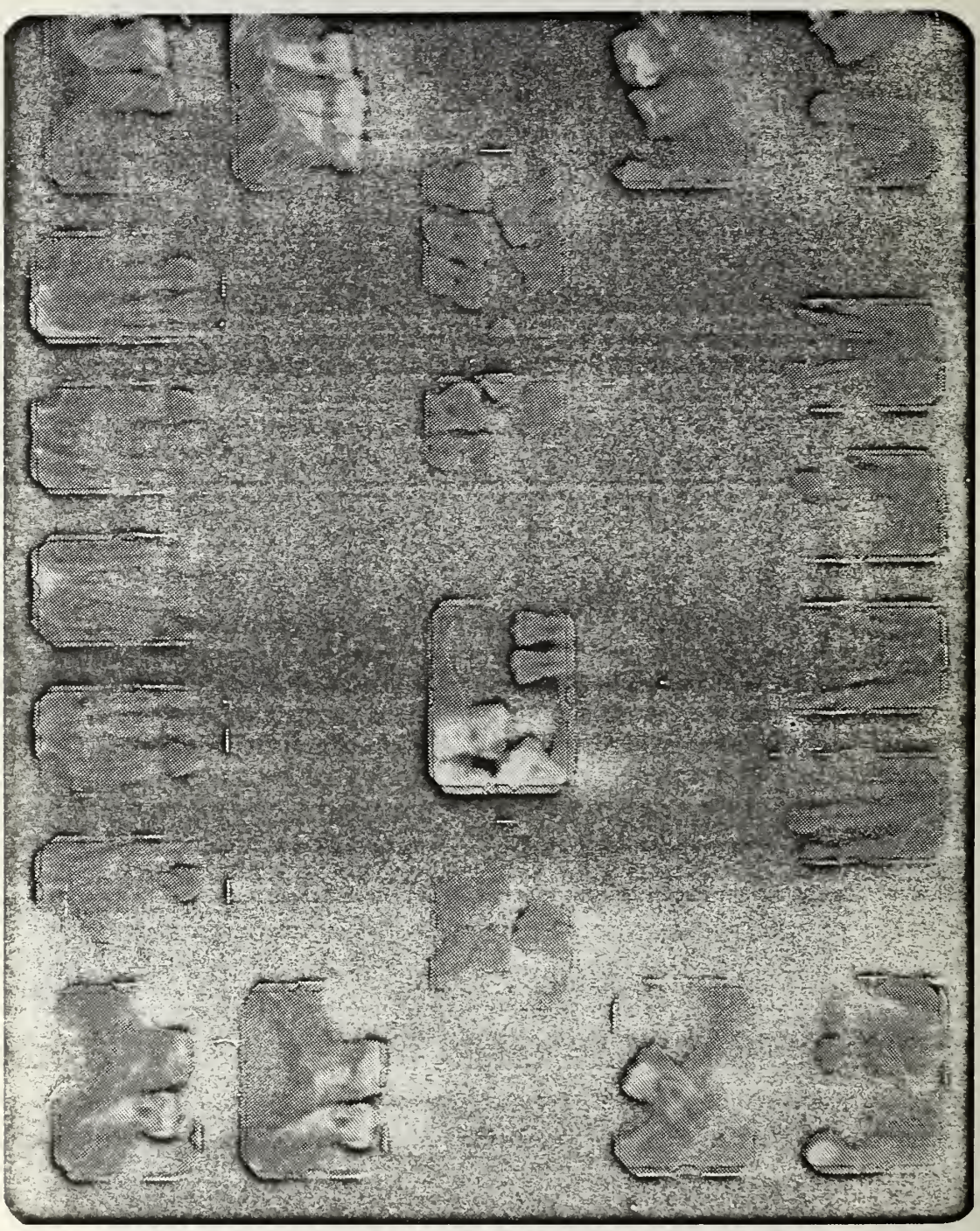




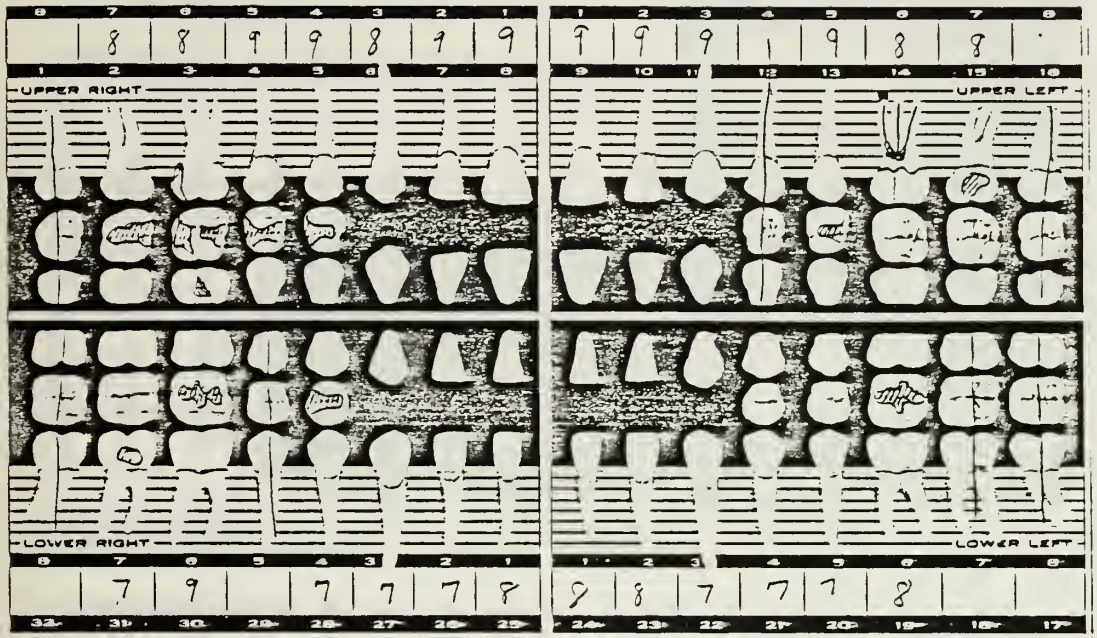
Case #54



Case #54



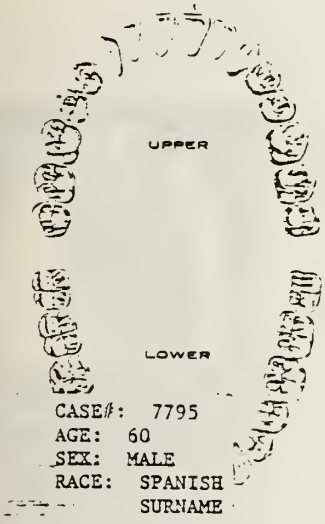
Case #54



7795

MOLD

SHADE



CASE#: 7795
AGE: 60
SEX: MALE
RACE: SPANISH SURNAME

RECOMMENDED TREATMENT

#32 EXTRACTED AFTER RADIOGRAPHS WERE TAKEN

2	Mod. Lg	= 2	#26 = 1
3	"	= 2	# 27 = 1
4	"	= 2	# 28 = 1
5	"	= 2	# 30 = 1
6	"	= 2	# 31 = 1
7	"	= 3	
8	"	= 3	
9	"	= 3	
10	"	= 3	
11	"	= 2	
12	"	= 2	
13	"	= 1	
14	"	= 2	
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24	"	3	

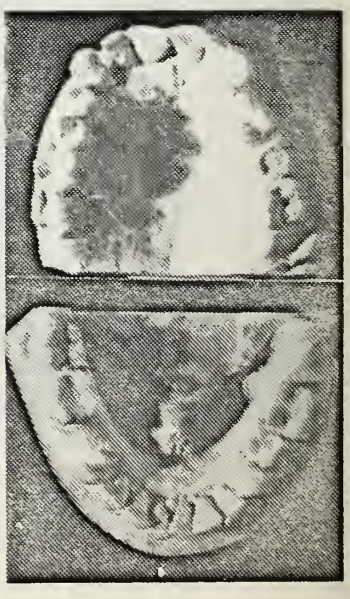
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Case #55



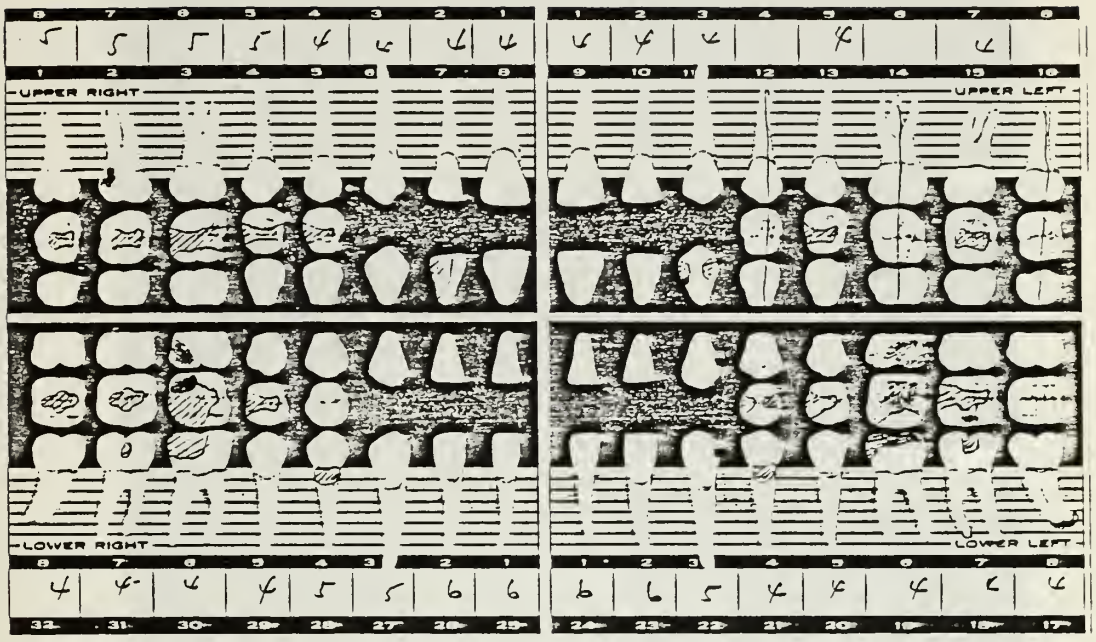






Case #55

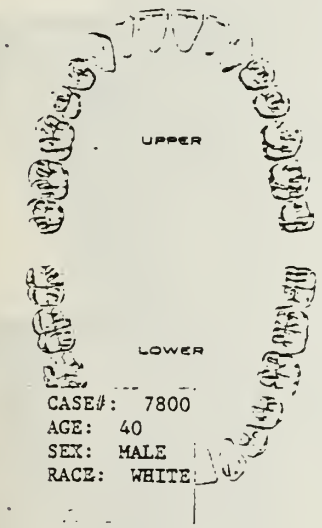
780X



RECOMMENDED TREATMENT

MOLD

SHADE



CASE#: 7800
AGE: 40
SEX: MALE
RACE: WHITE

Mobility
24 1
27 1
24 1
25 1
26 1
27 1

Periapical rarefying osteitis #17

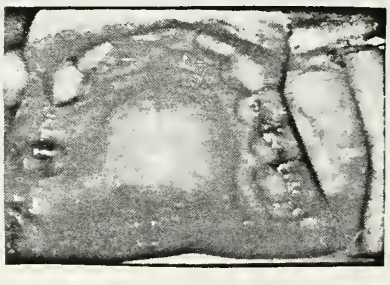
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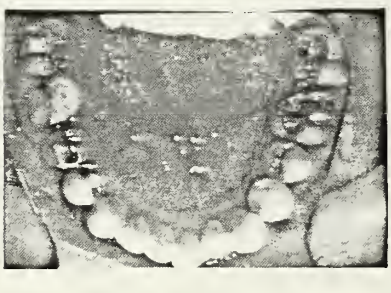
Case #56





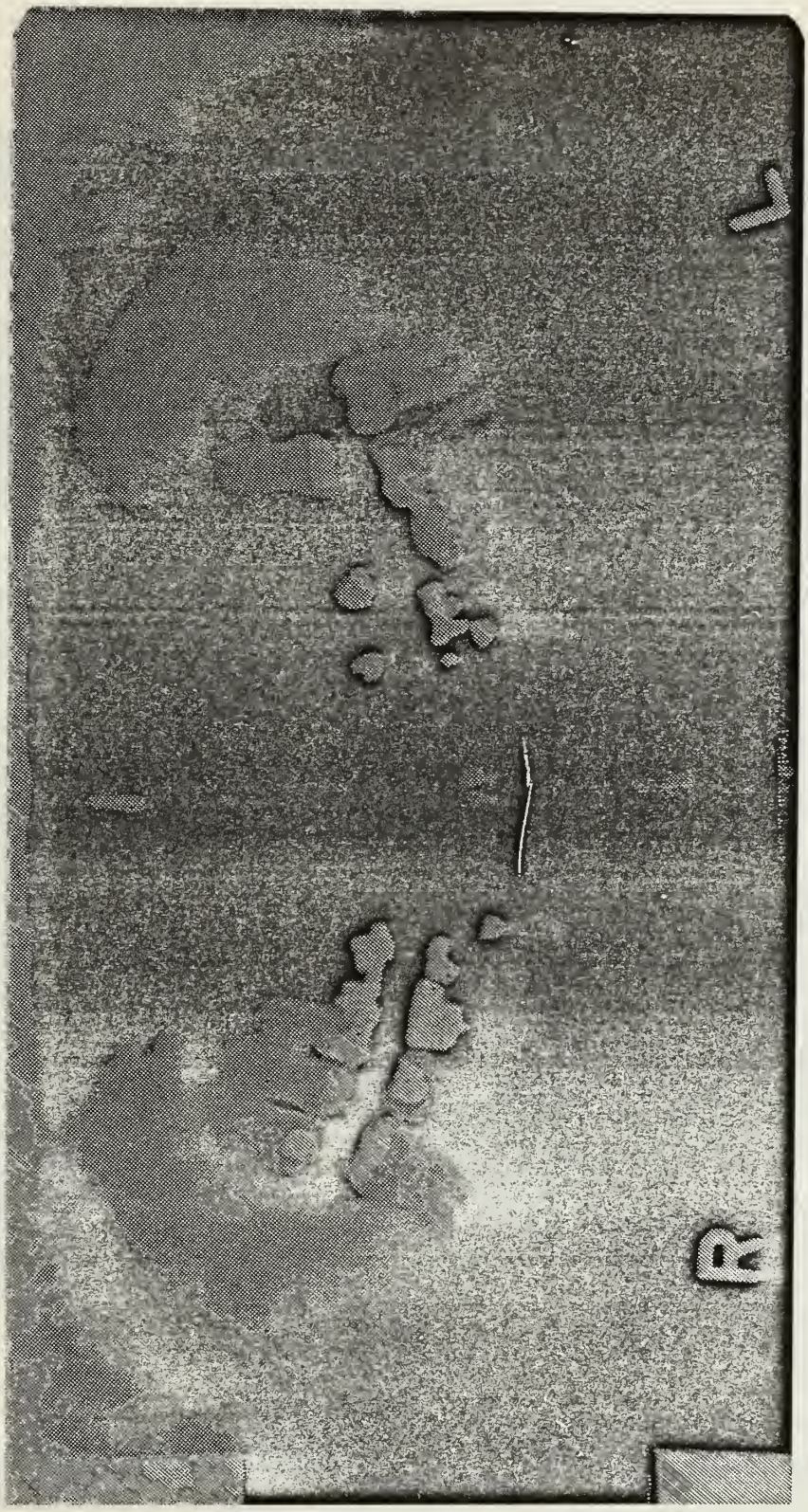




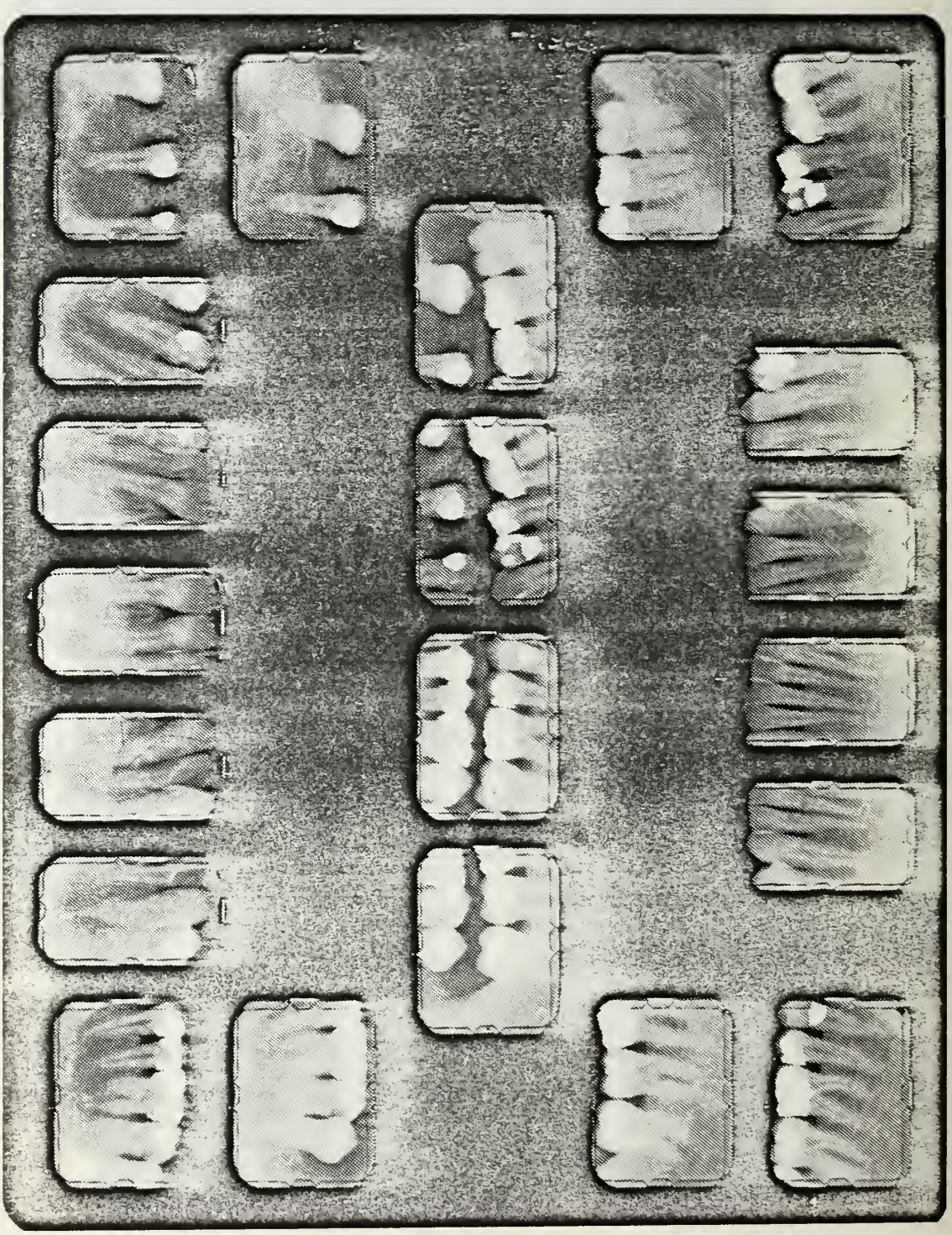




Case #56

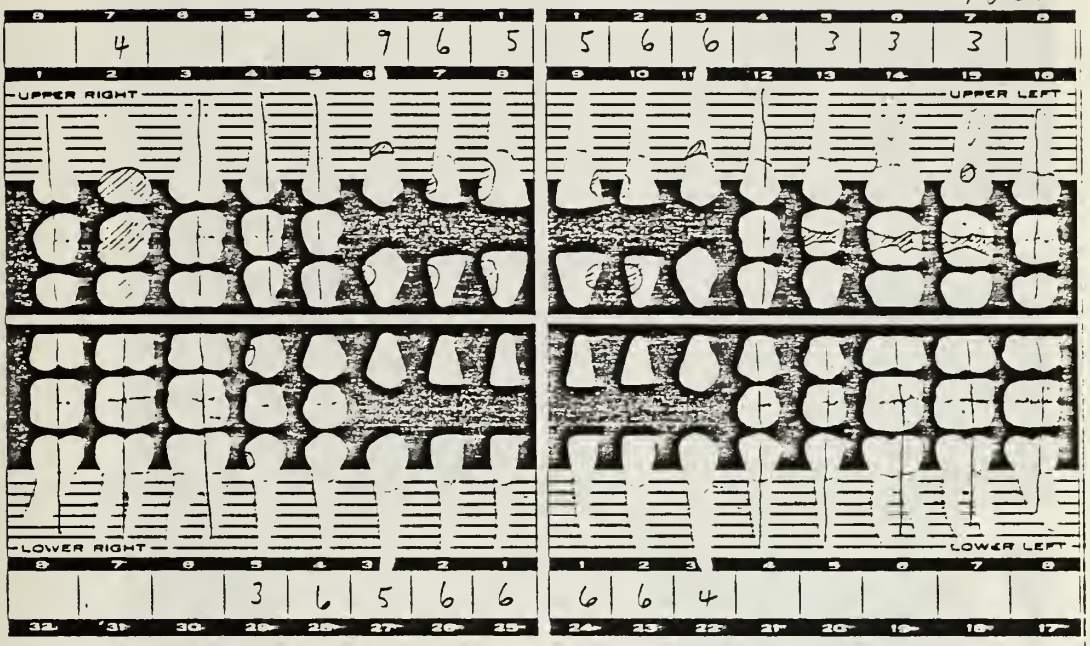


Case #56



Case #56

7801



RECOMMENDED TREATMENT

MOLD

SHADE

	Mod. 1-J
21	1
6	3
7	2
8	2
9	3
10	2
11	3
23	2
24	2
25	2
26	3
27	1

UPPER

LOWER

CASE#: 7801
AGE: 47
SEX: FEMALE
RACE: WHITE

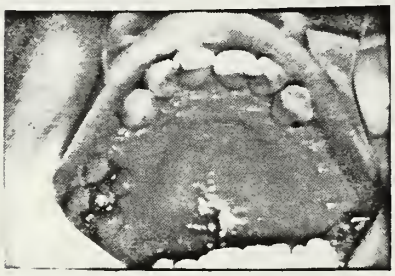
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Case #57

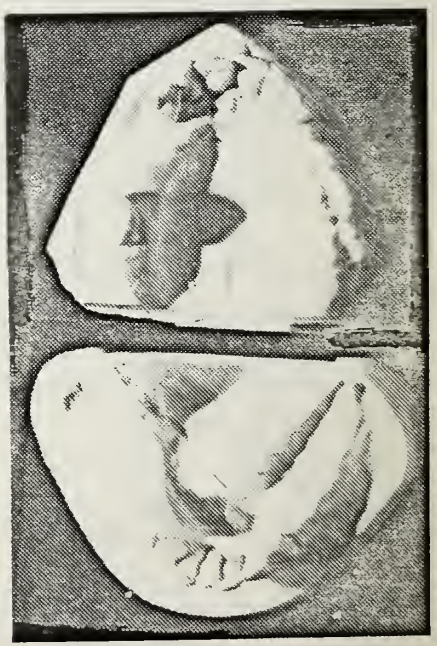




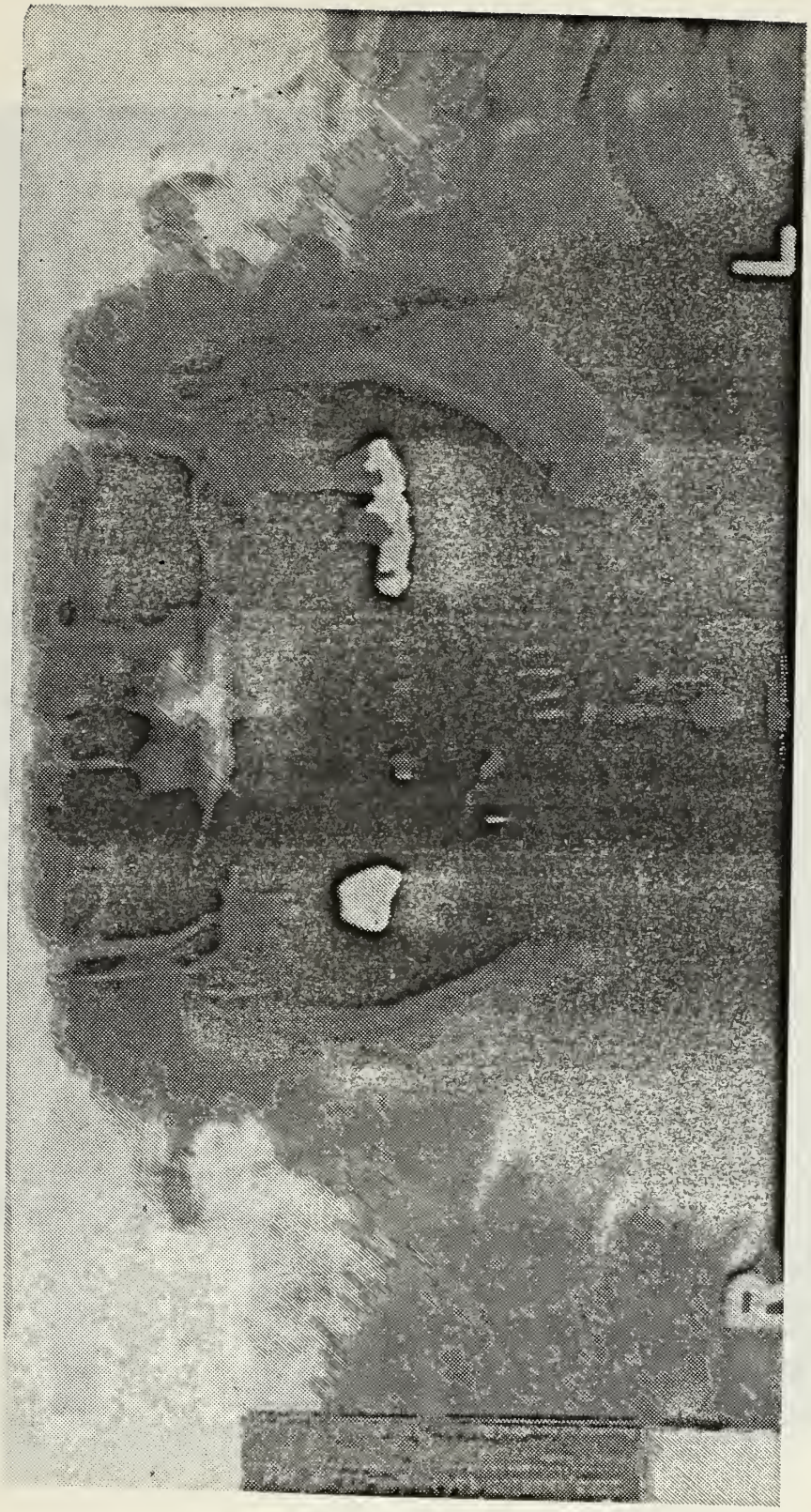




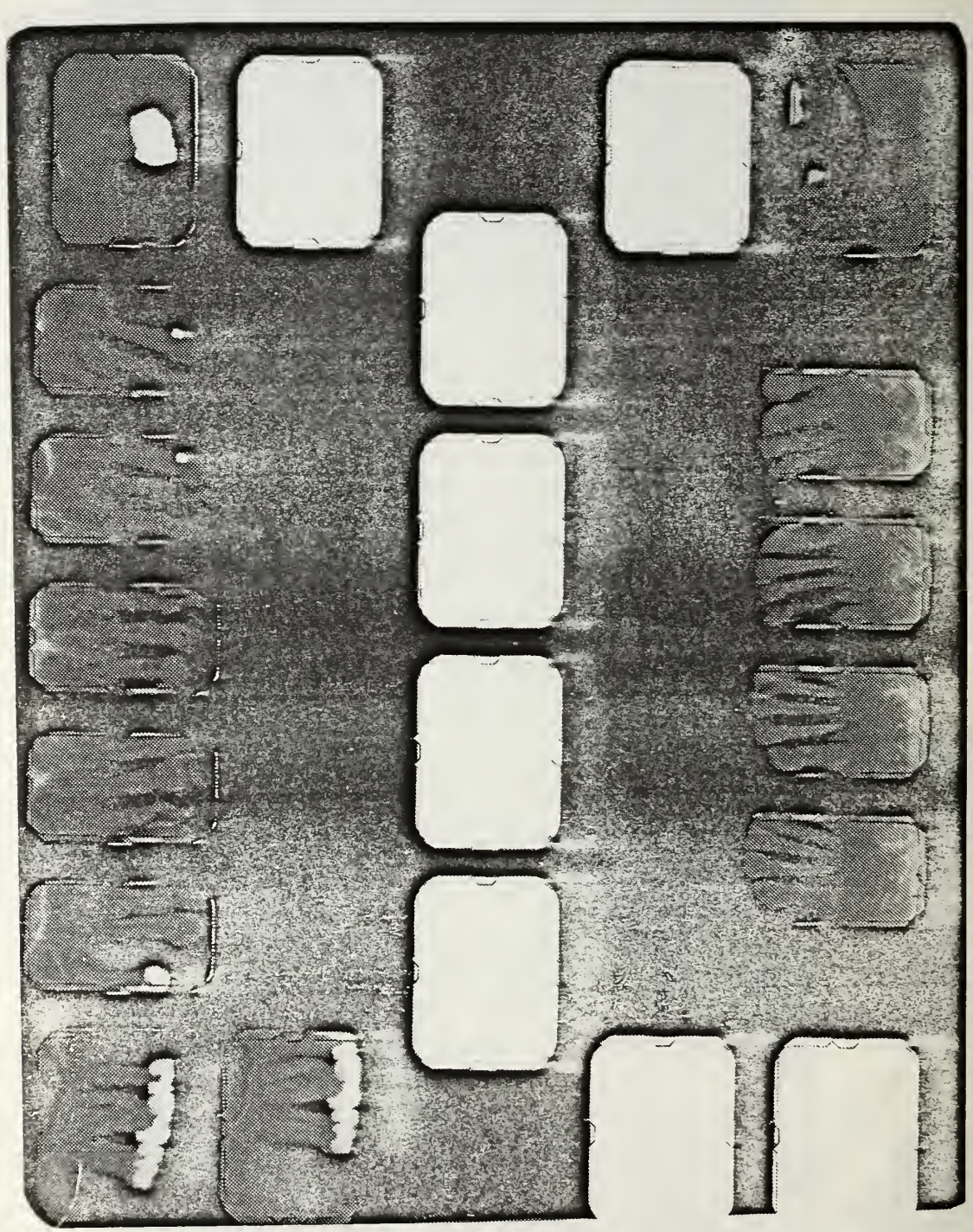




Case #57

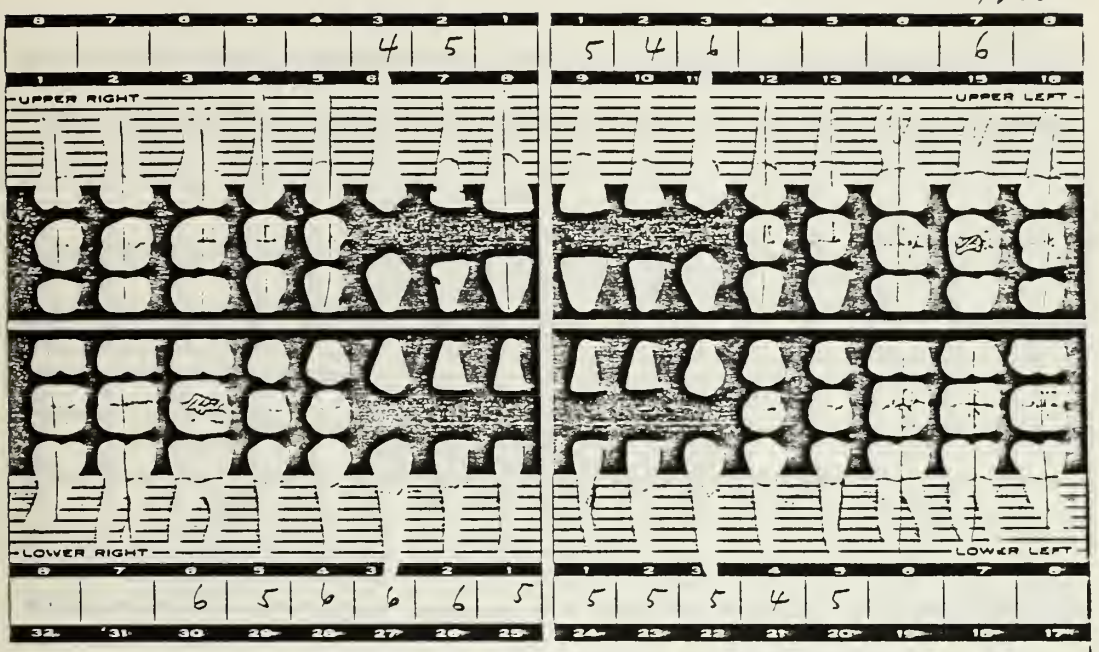


Case #57



Case #57

7808



RECOMMENDED TREATMENT

MOLD

SHADE

Mesial F
Extend occlusion #20, 24
Two Palatines

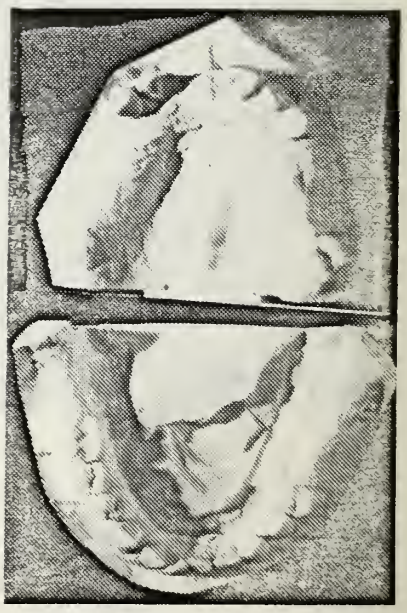
UPPER

LOWER

CASE#: 7808
AGE: 58
SEX: MALE
RACE: WHITE

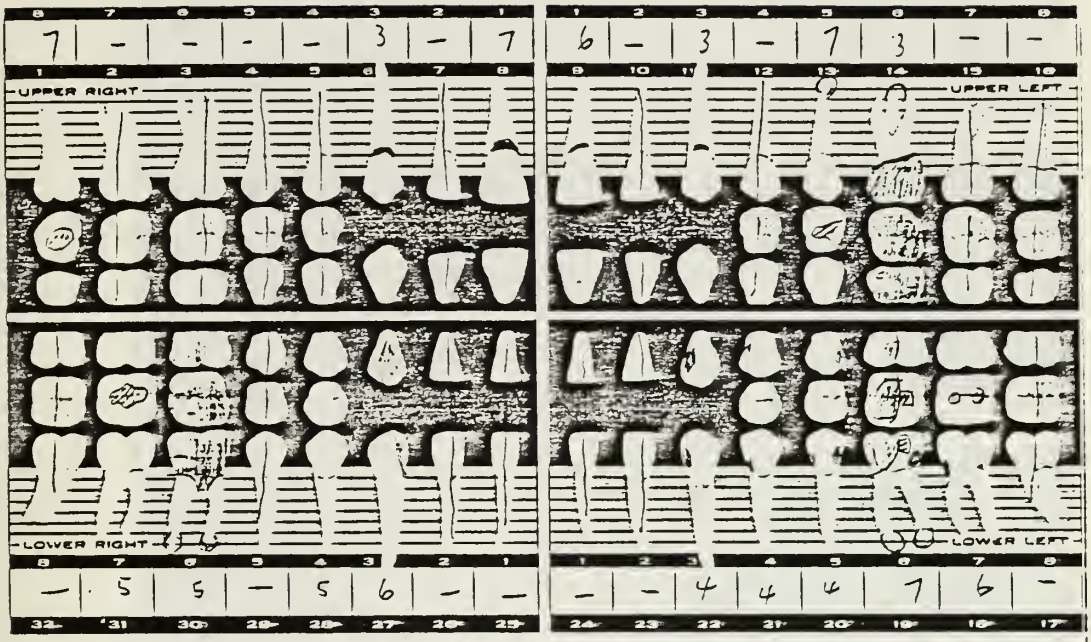
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Case #58



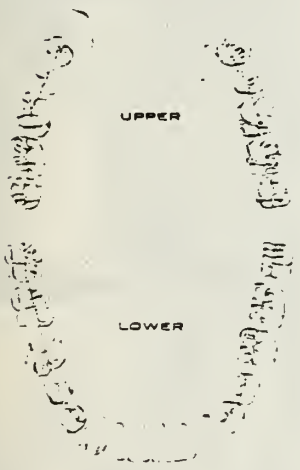
Case #58

7 8 6



RECOMMENDED TREATMENT

MOLD
SHADE



	Mobility
1	3
6	2
8	3
9	3
11	2
13	3
18	1
19	3
20	1
21	1
22	1
27	2
31	1

Teeth	Duration
1	I
18	II
19	II
30	II
31	II

FORM AR

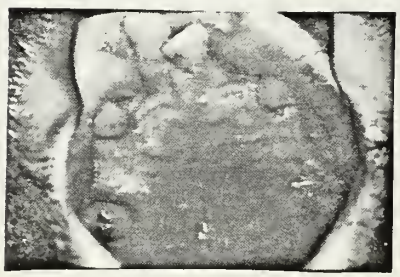
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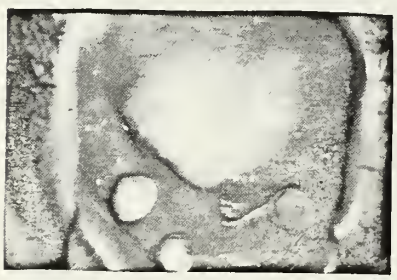
Case #59

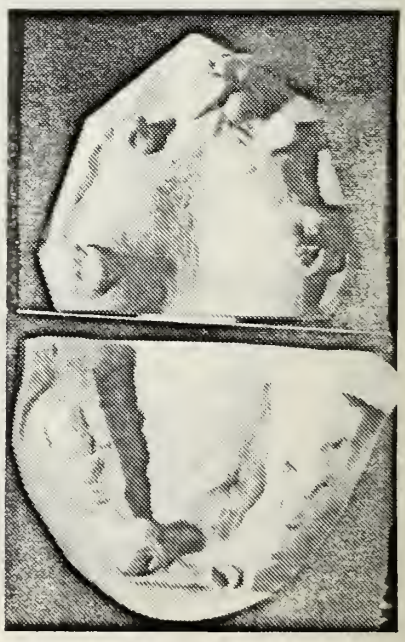




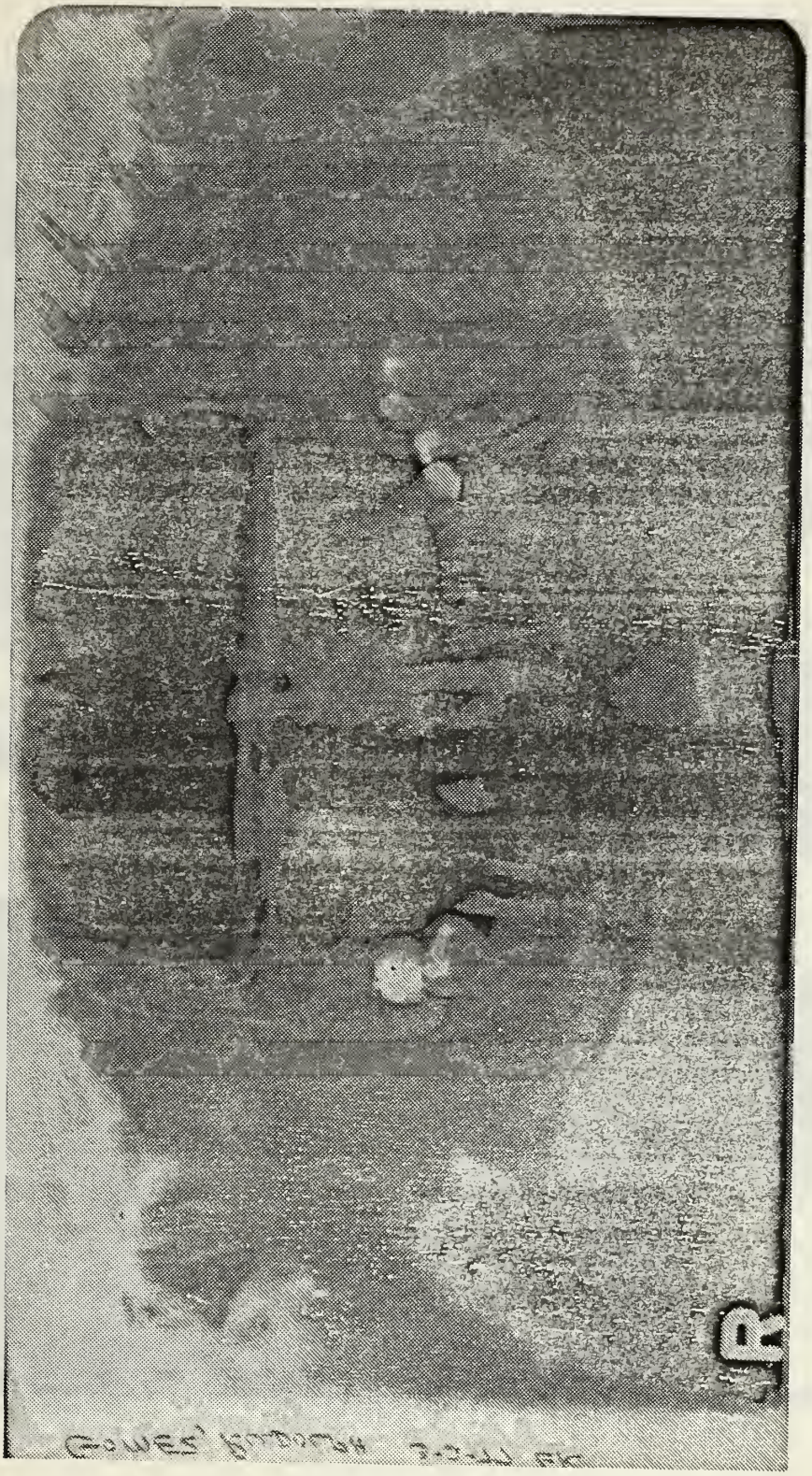




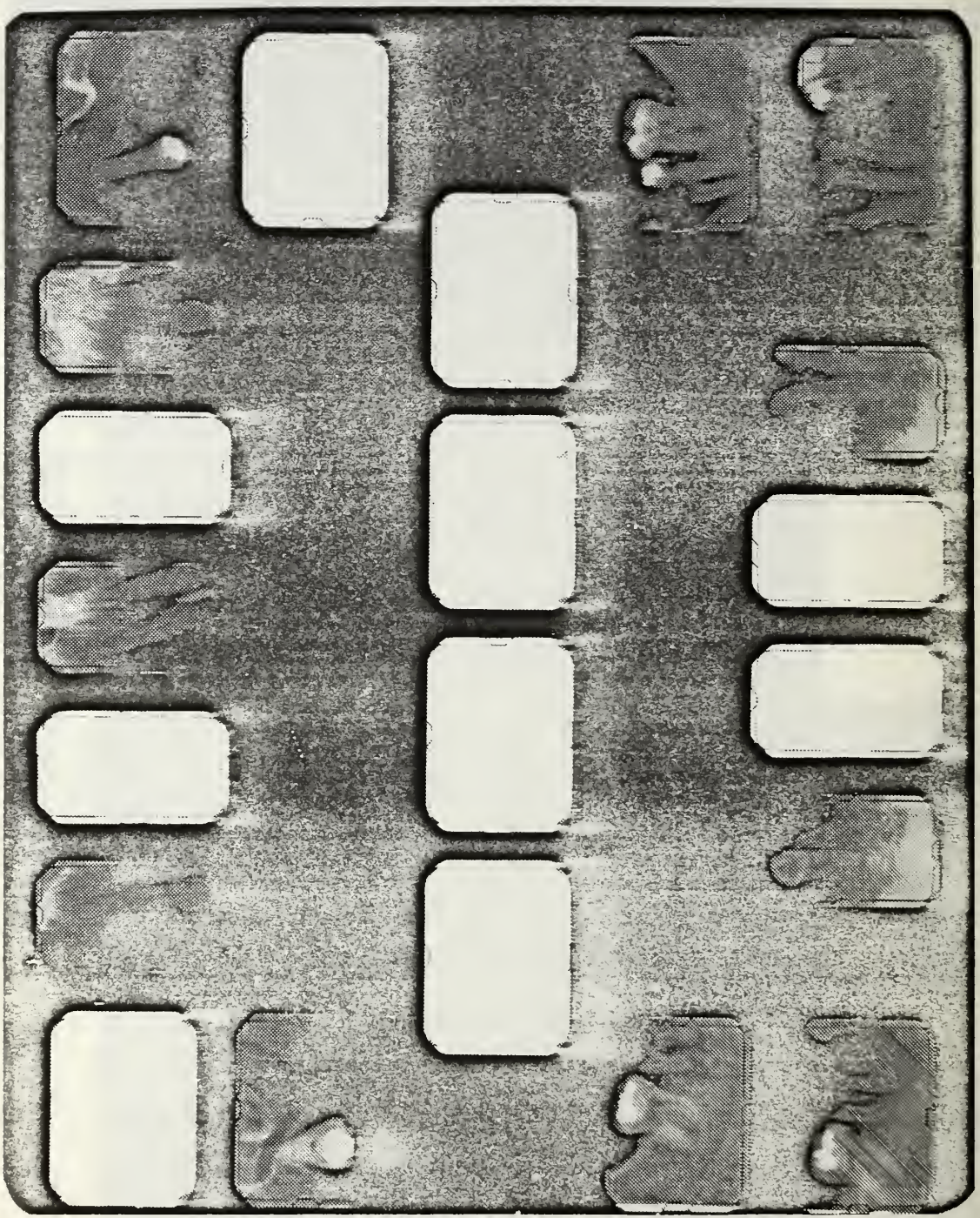




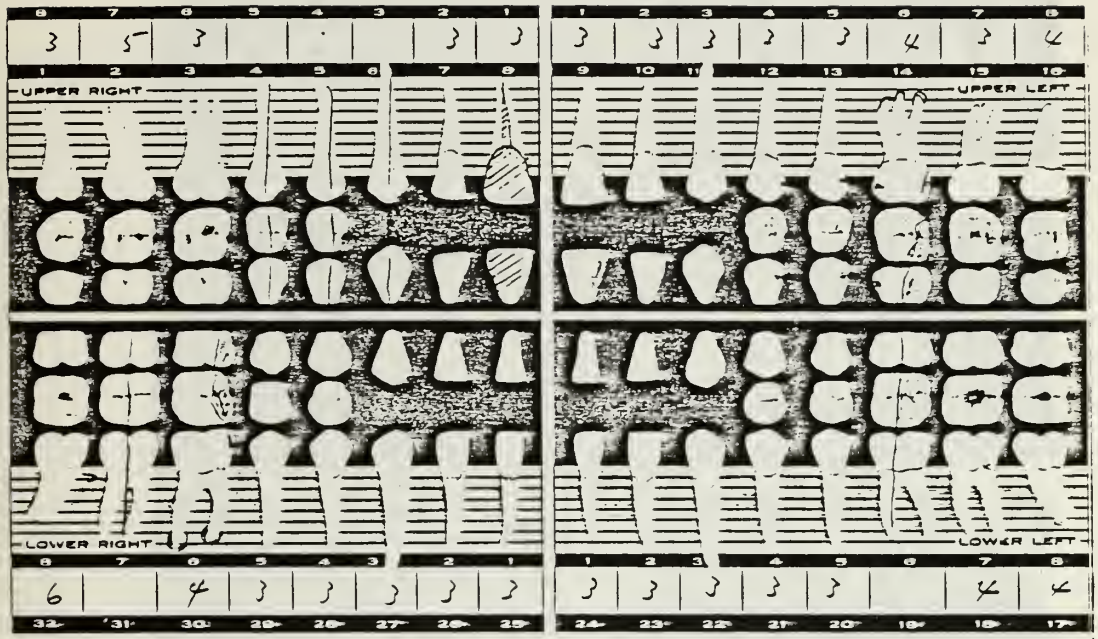
Case #59



Case #59



Case #59



RECOMMENDED TREATMENT

MOLD

SHADE

N. mobile teeth

. Periapical infection of teeth # 17, 32

UPPER

LOWER

CASE#: 7819
AGE: 24
SEX: MALE
RACE: WHITE

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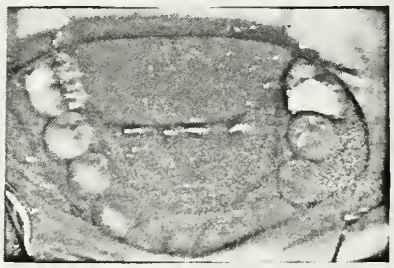
Case #60





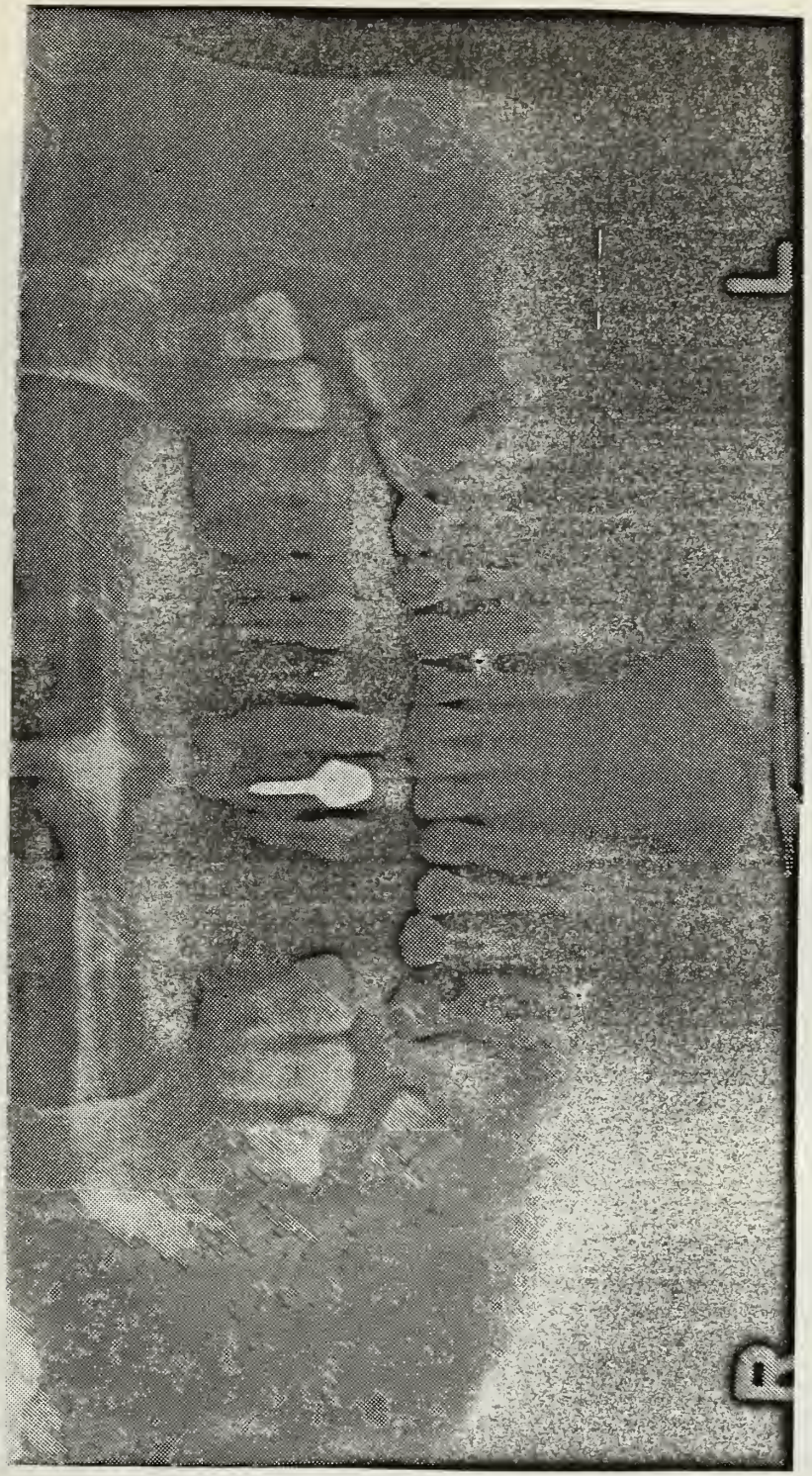




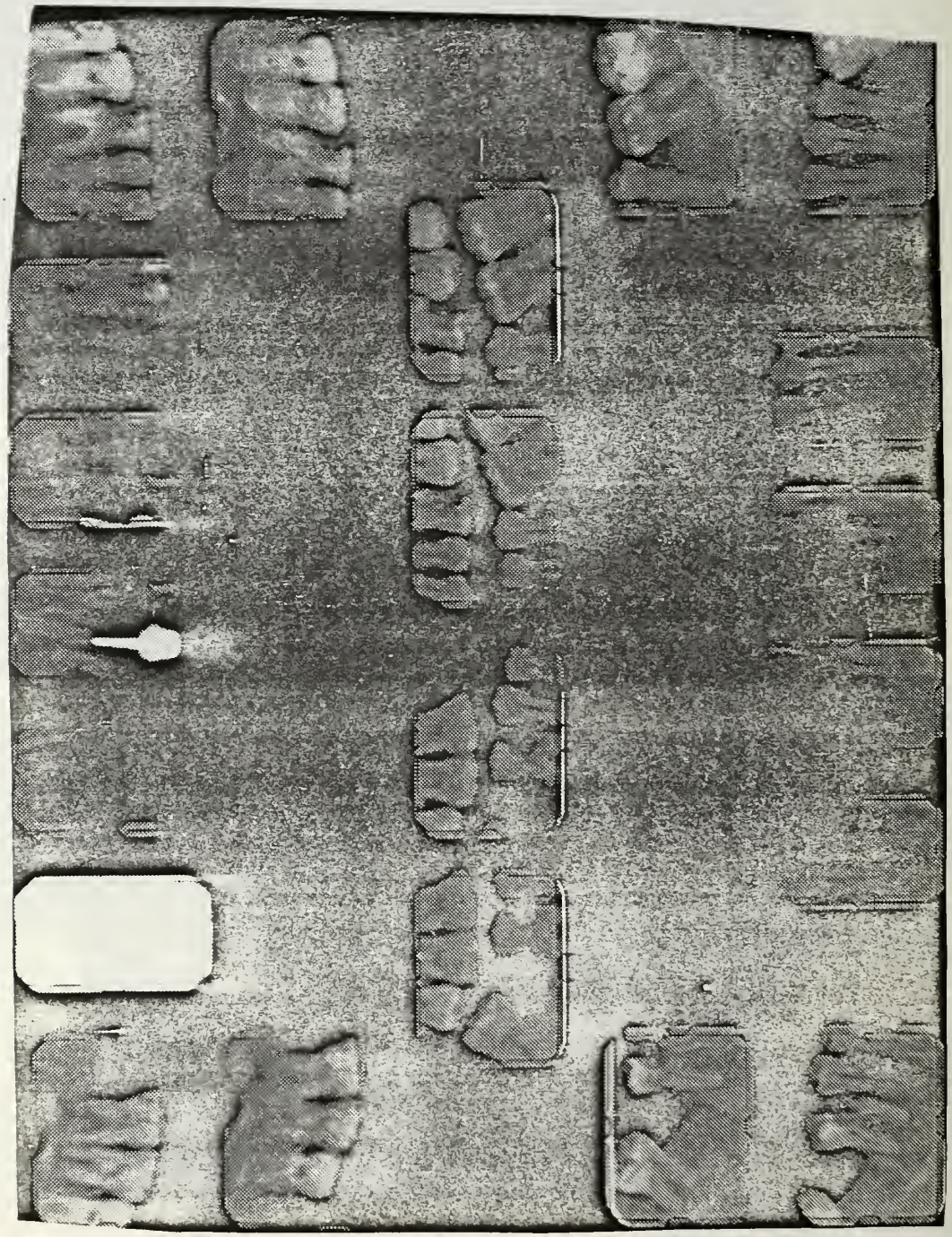




Case #60

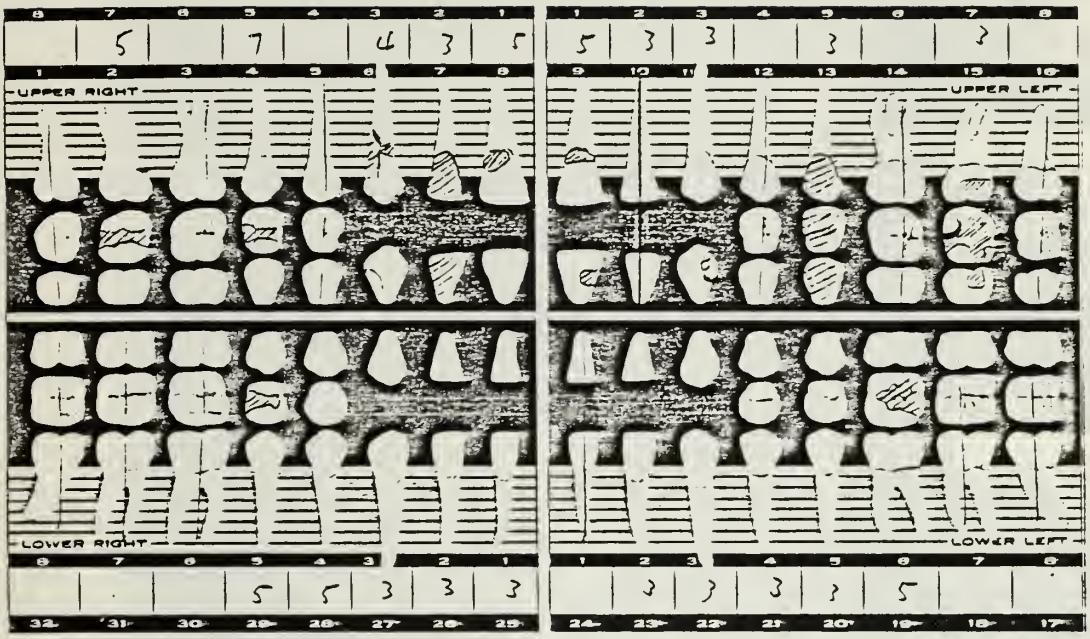


Case #60



Case #60

7828



RECOMMENDED TREATMENT

HOLD

SHADE

Mobility

23 1

25 1

26 1

Tetra palat. wire

#10 EXTRACTED AFTER RADIOGRAPHS WERE TAKEN

UPPER

LOWER

CASE#: 7828
AGE: 72
SEX: FEMALE
RACE: WHITE

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Case #61







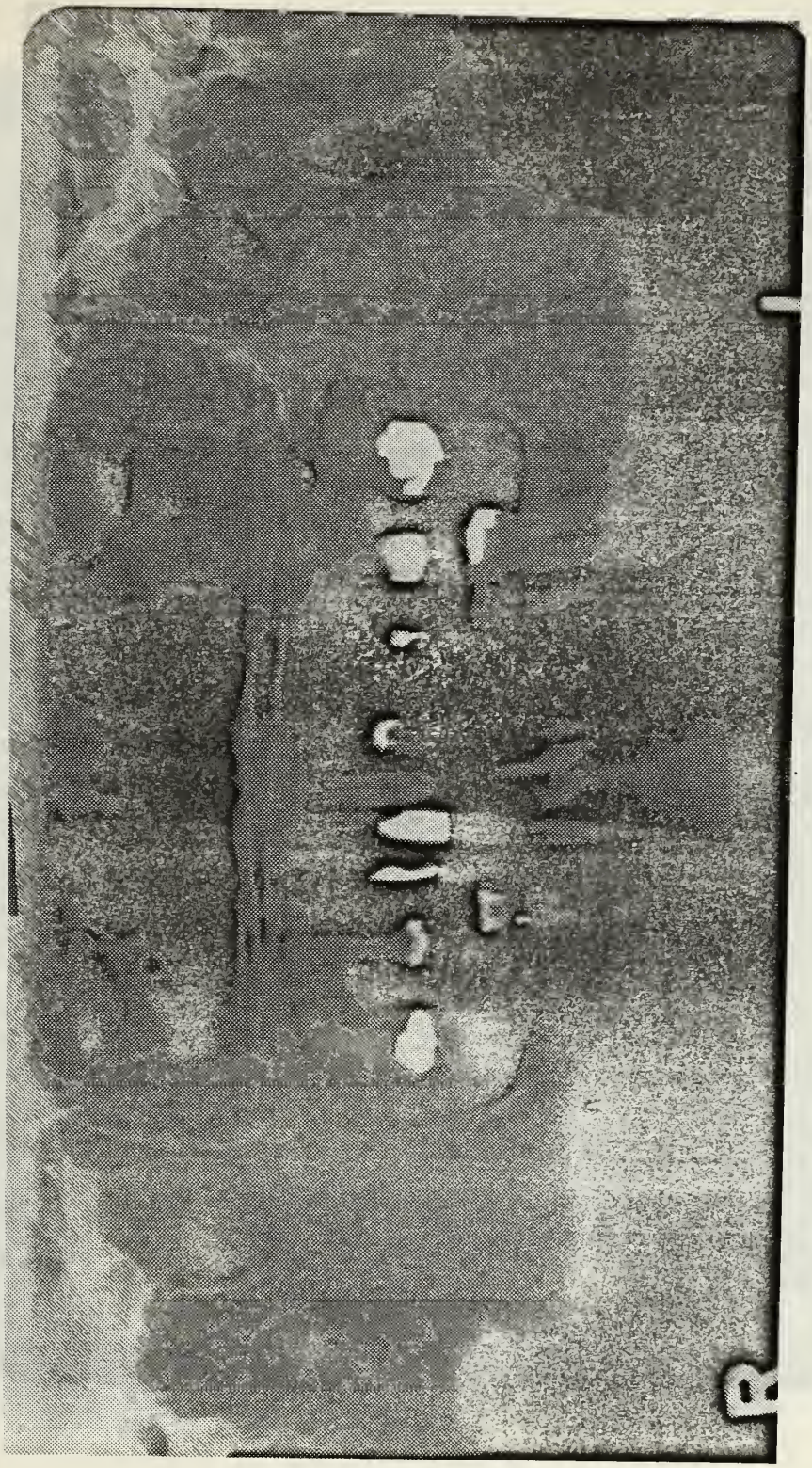




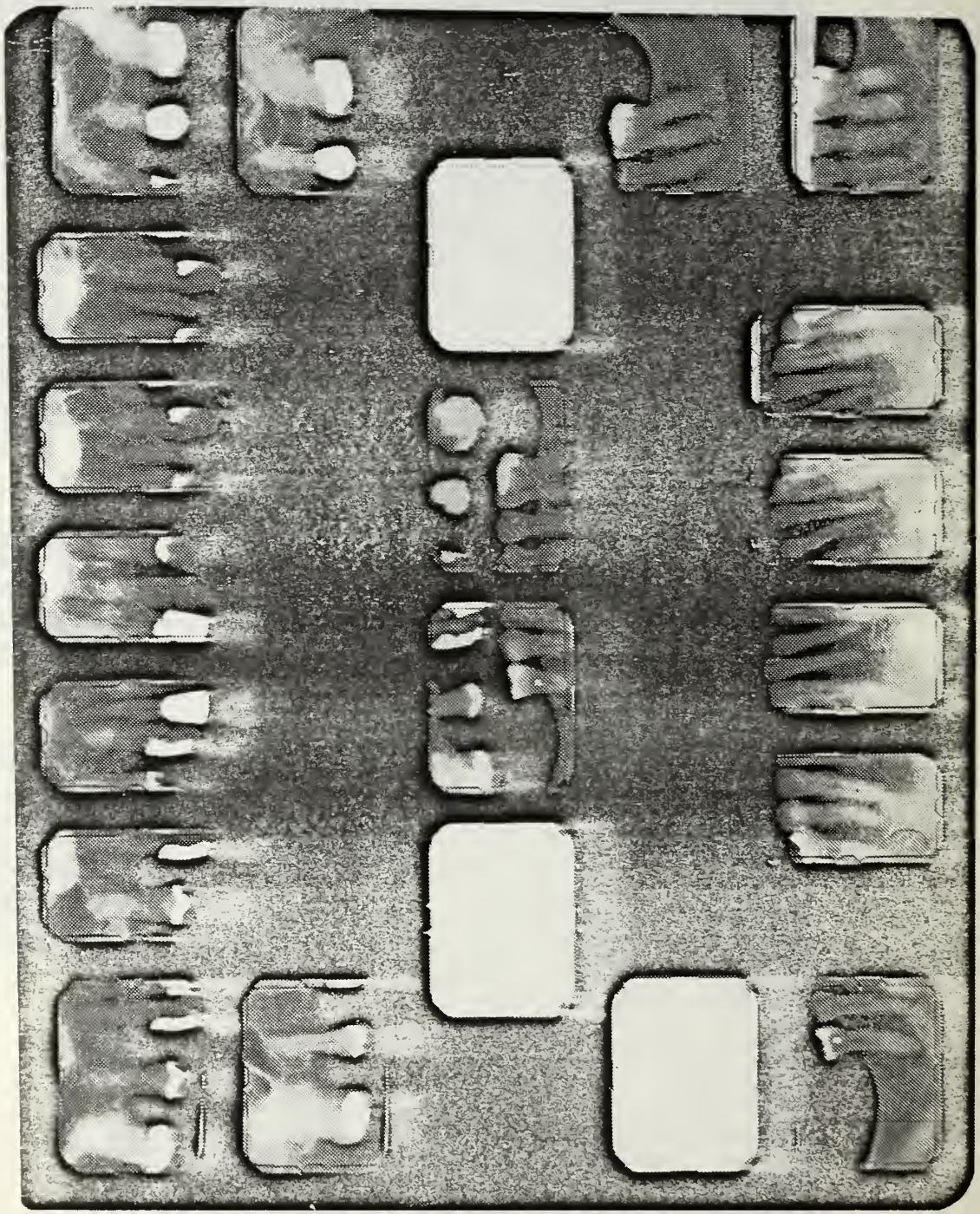




Case #61

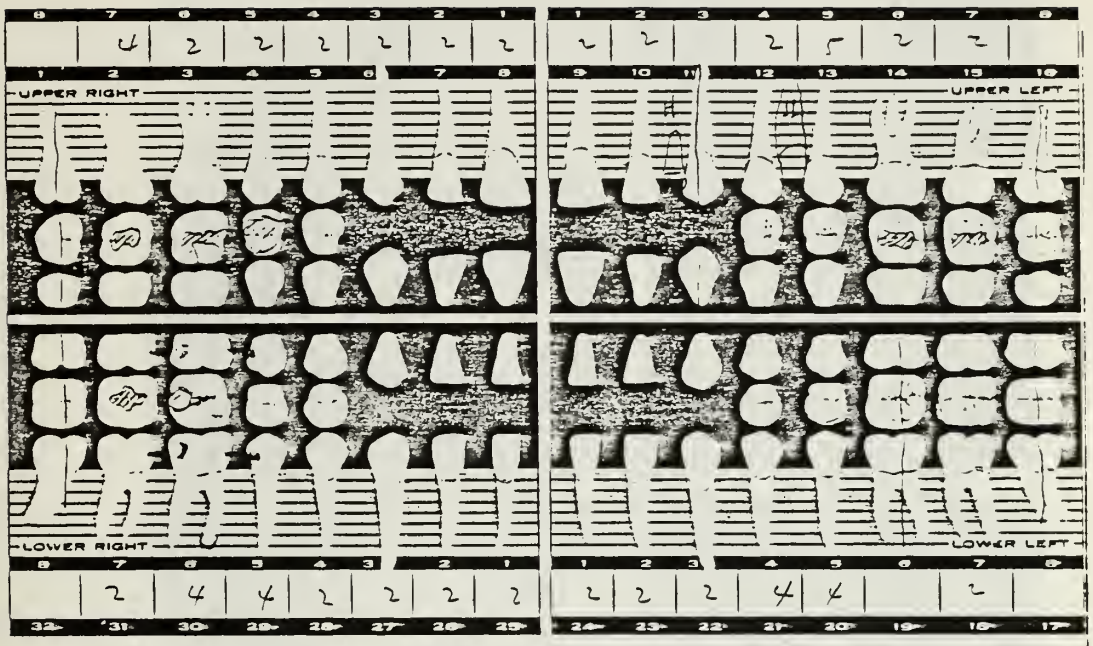


Case #61



Case #61

7830



RECOMMENDED TREATMENT

MOLD

SHADE

No mobile teeth

Periapical recently on teeth #30
Retained deciduous tooth H
Migrated tooth #11

BRIDGE # 18- #20 COMPLETED AFTER X-RAYS WERE TAKEN

UPPER

LOWER

CASE#: 7830
AGE: 24
SEX: FEMALE
RACE: SPANISH SURNAME

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Case #62

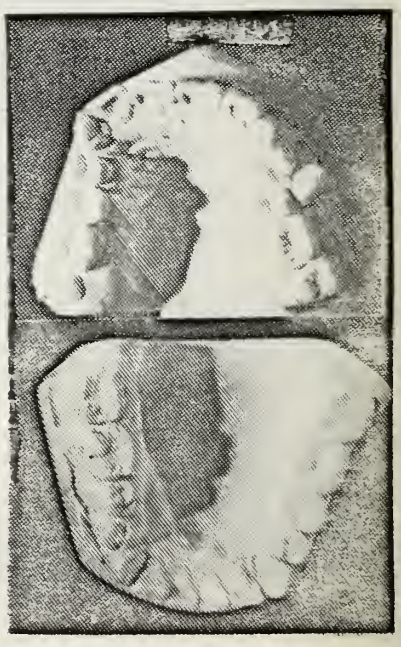




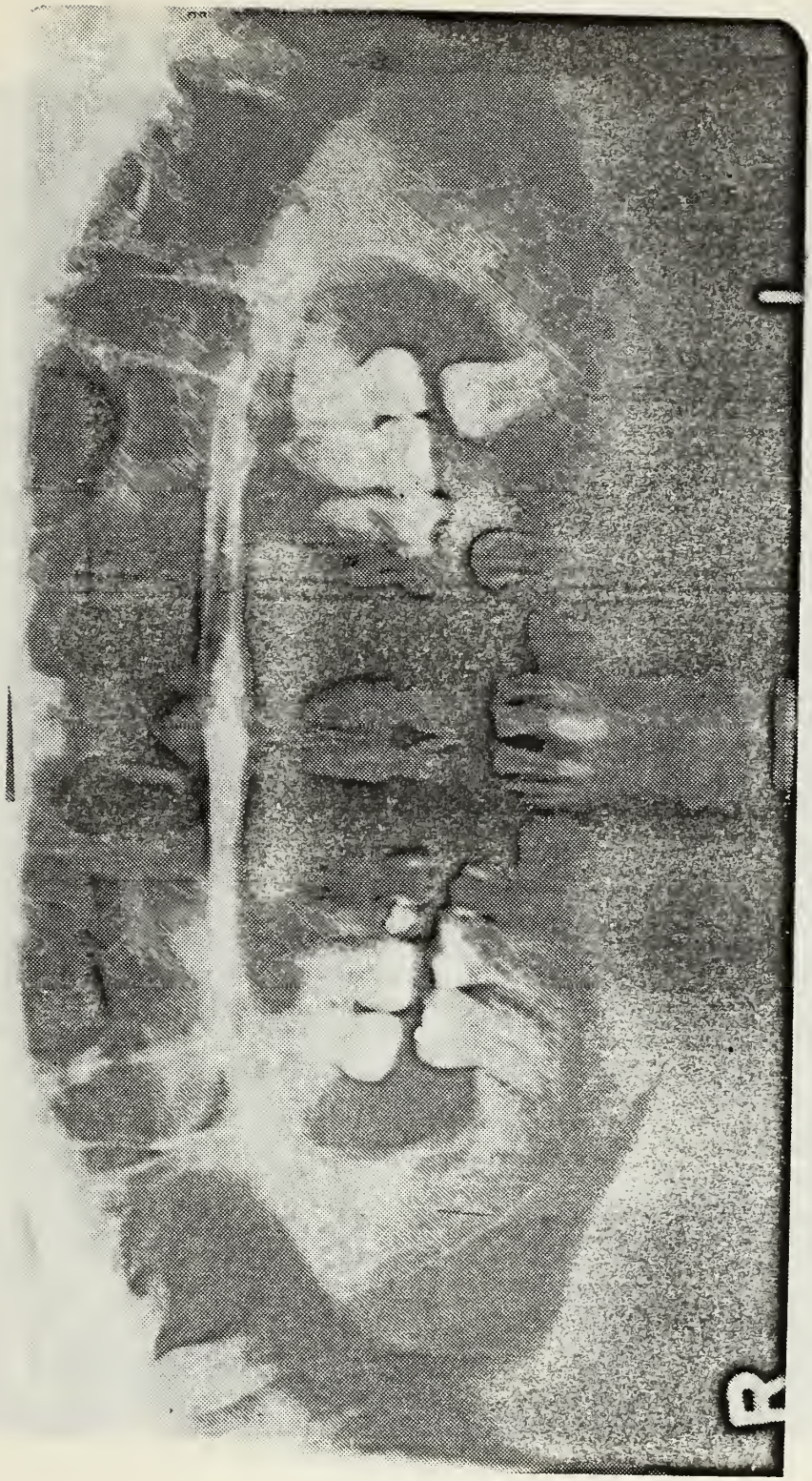




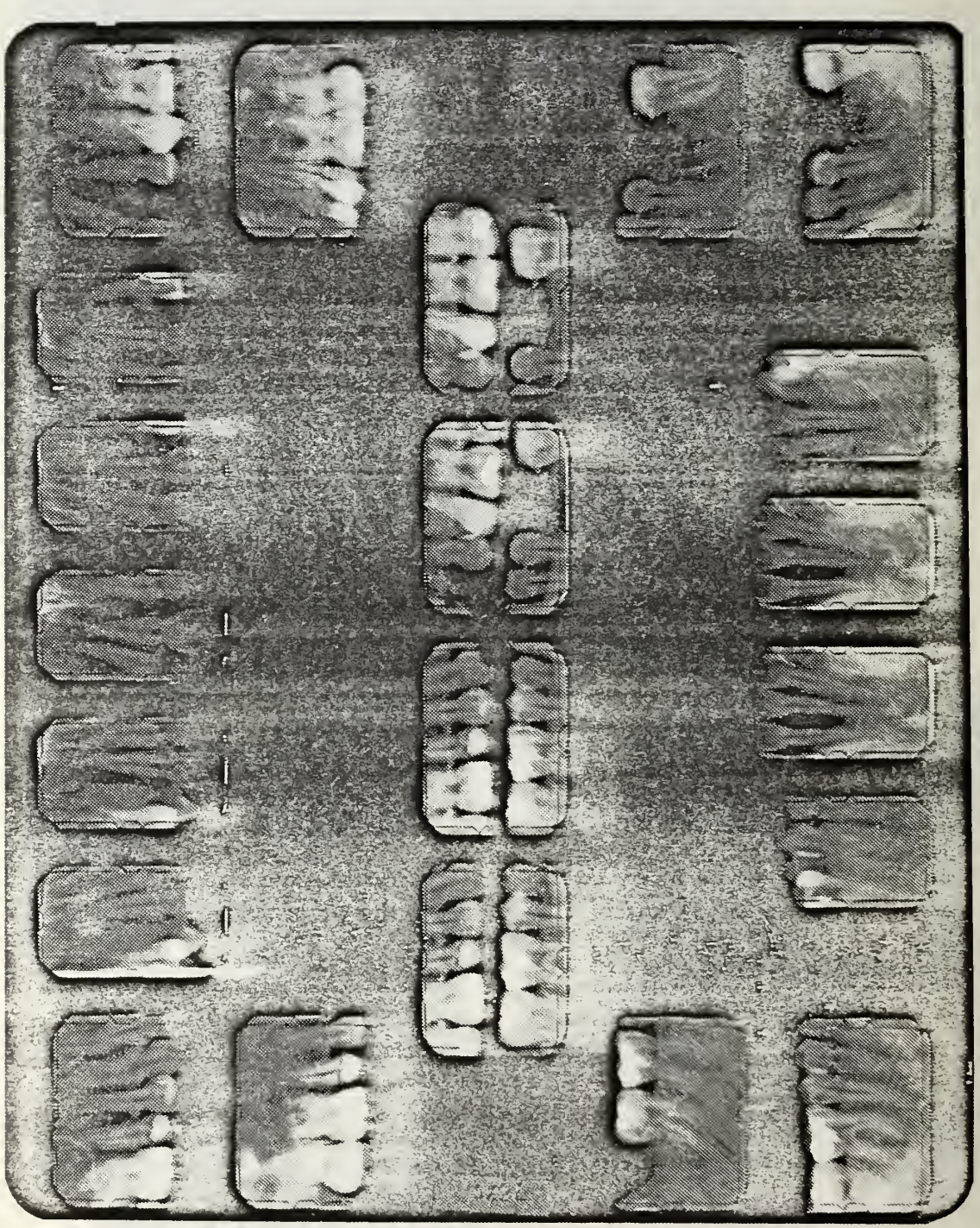




Case #62

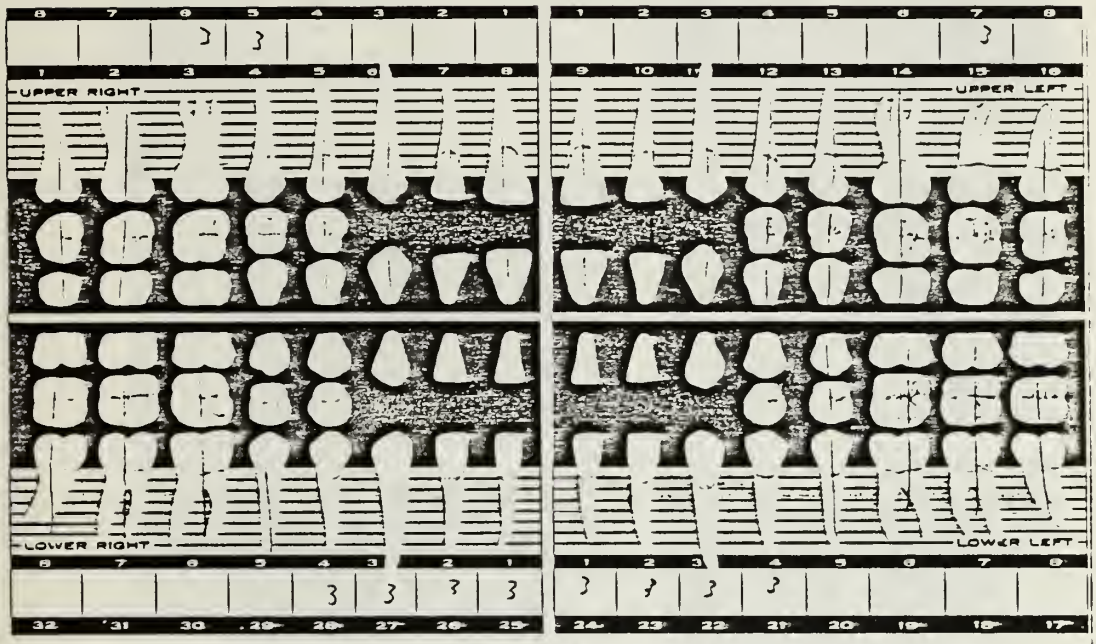


Case #62



Case #62

7812



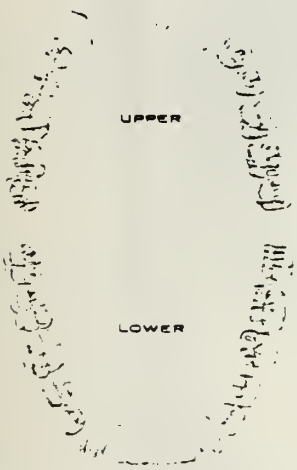
RECOMMENDED TREATMENT

MOLD

SHADE

No mobile teeth

Lewoplastic. Right buccal mucosa and hard palate

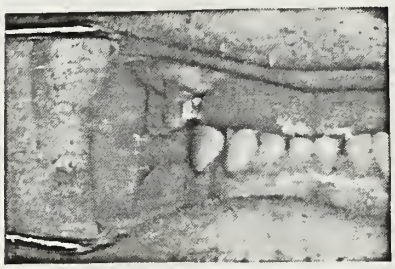


FORM AR

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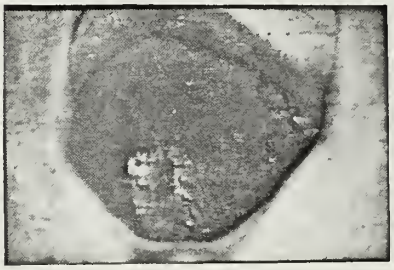
Case #63





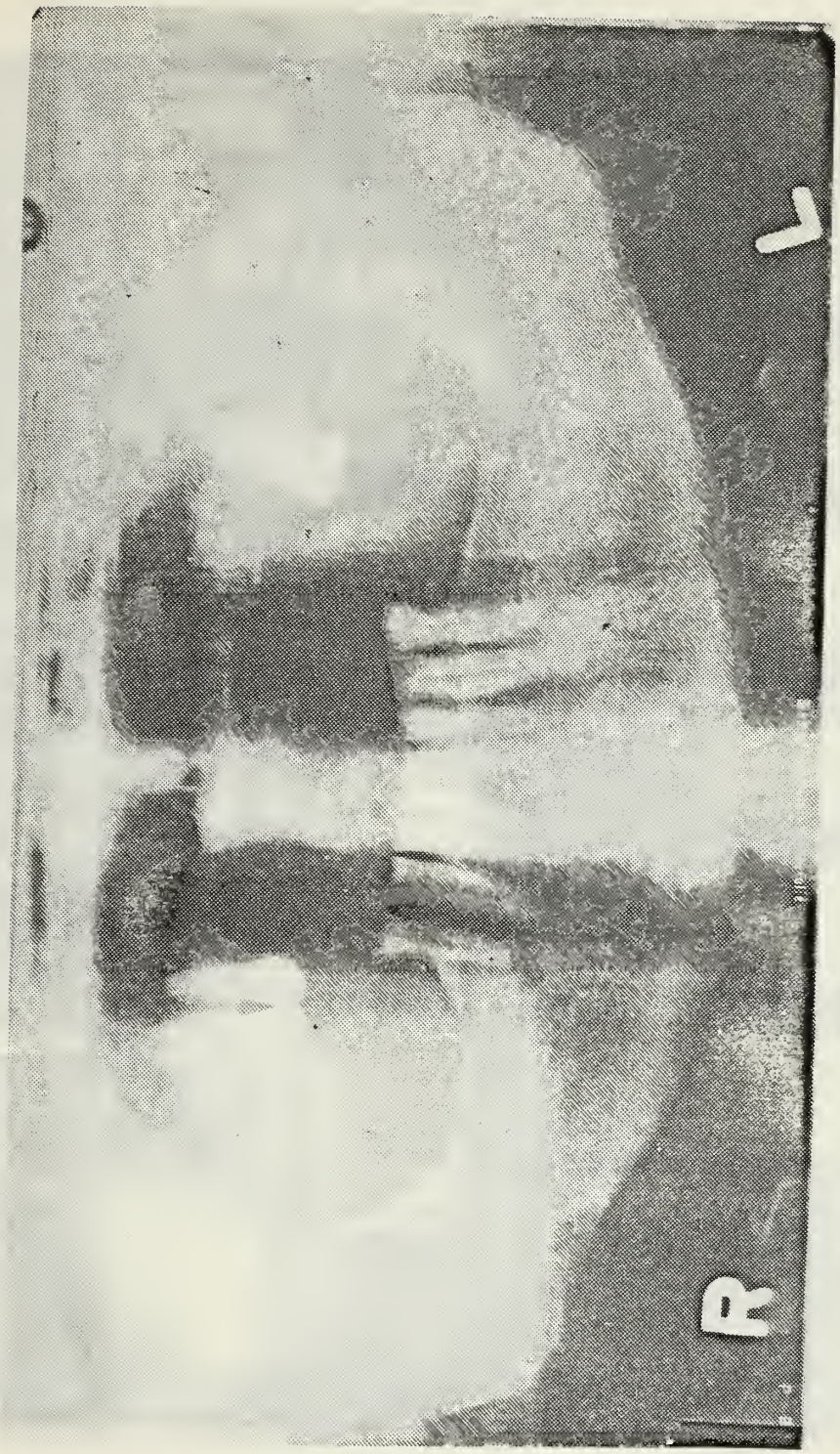




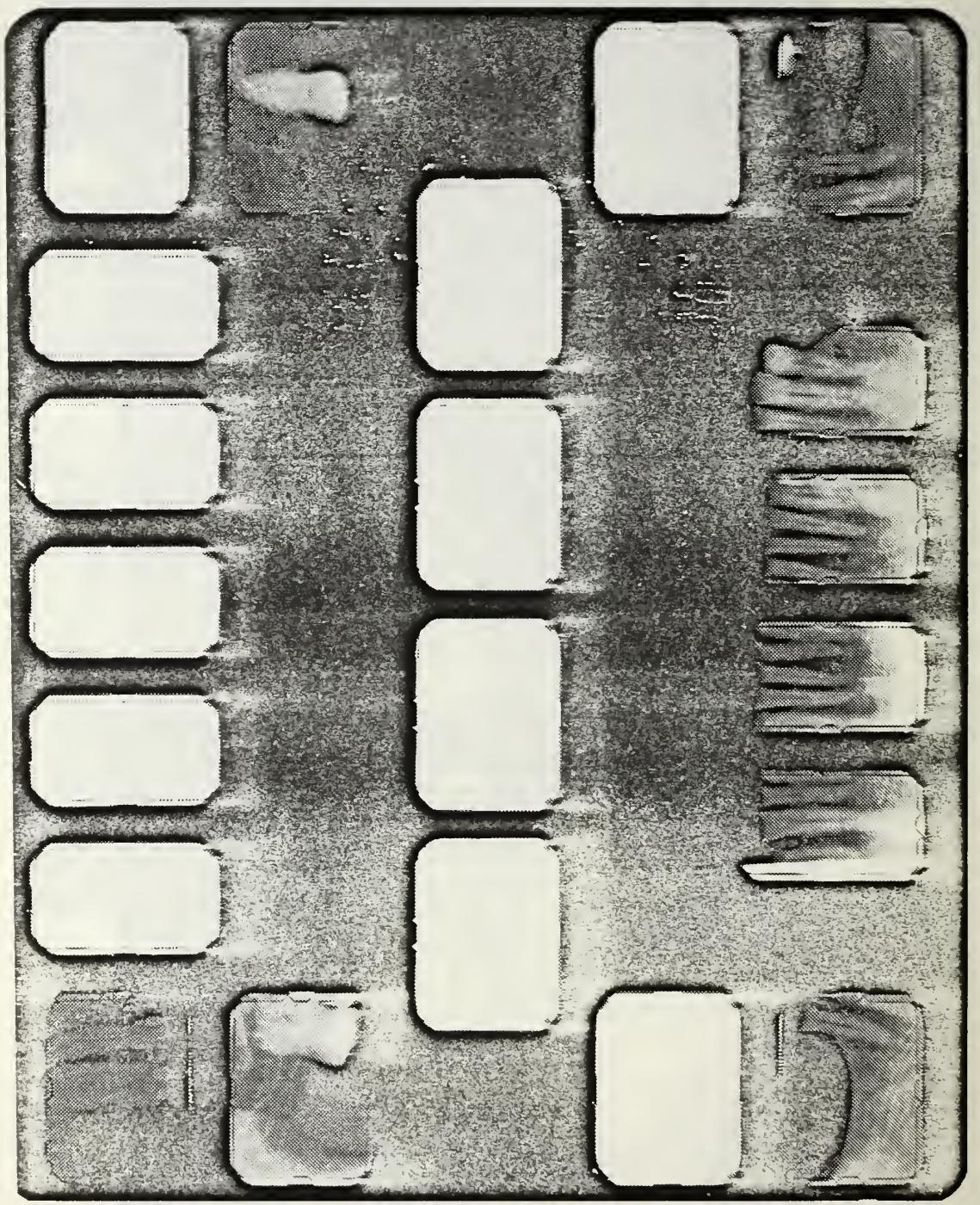




Case #63

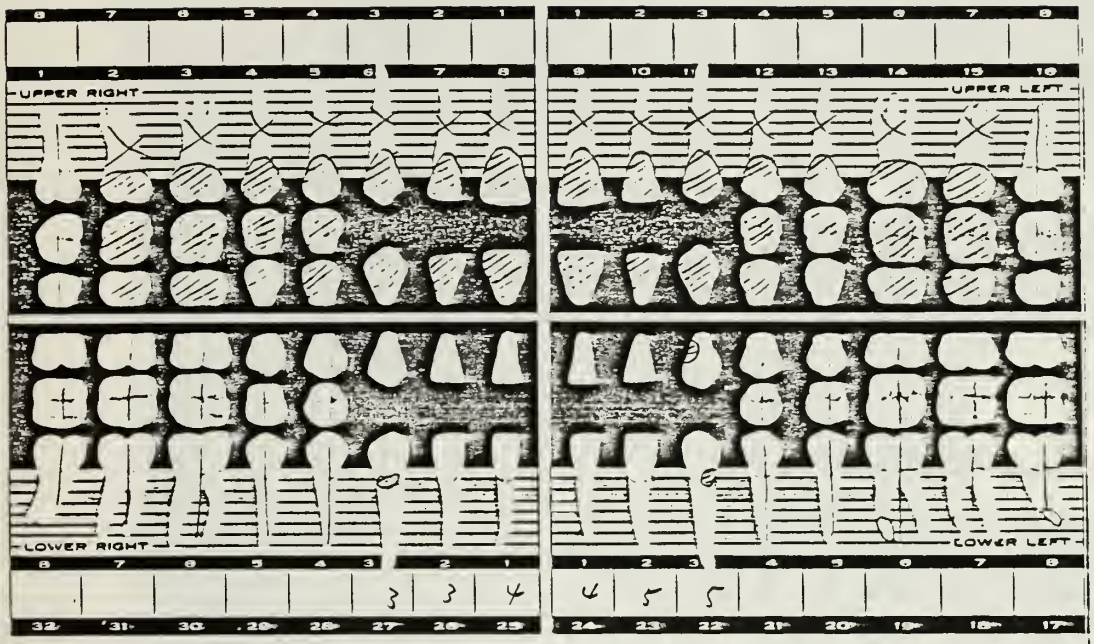


Case #63



Case #63

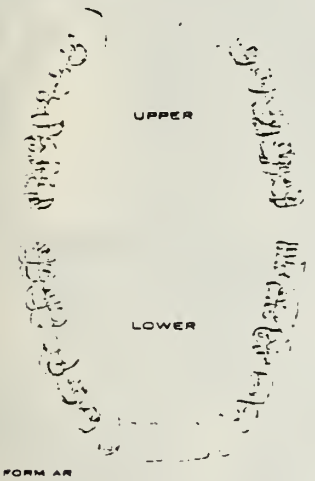
7833



RECOMMENDED TREATMENT

MOLD

SHADE



Mobility

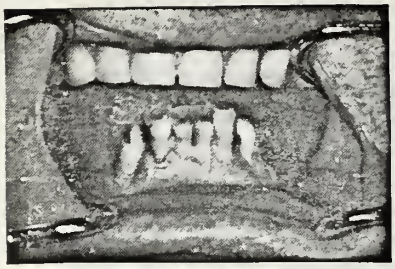
24	1
23	1
22	1
25	1
26	1
27	1

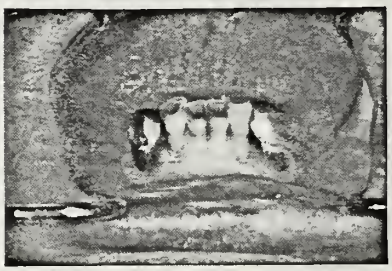
Leukoplakia lower anterior ridge
Retained root tips #17 18

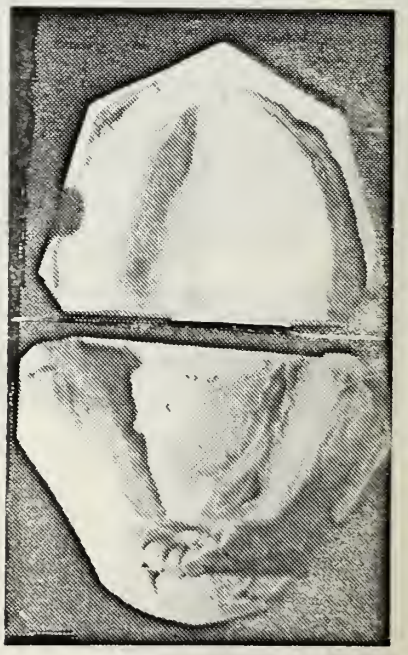
FORM AR

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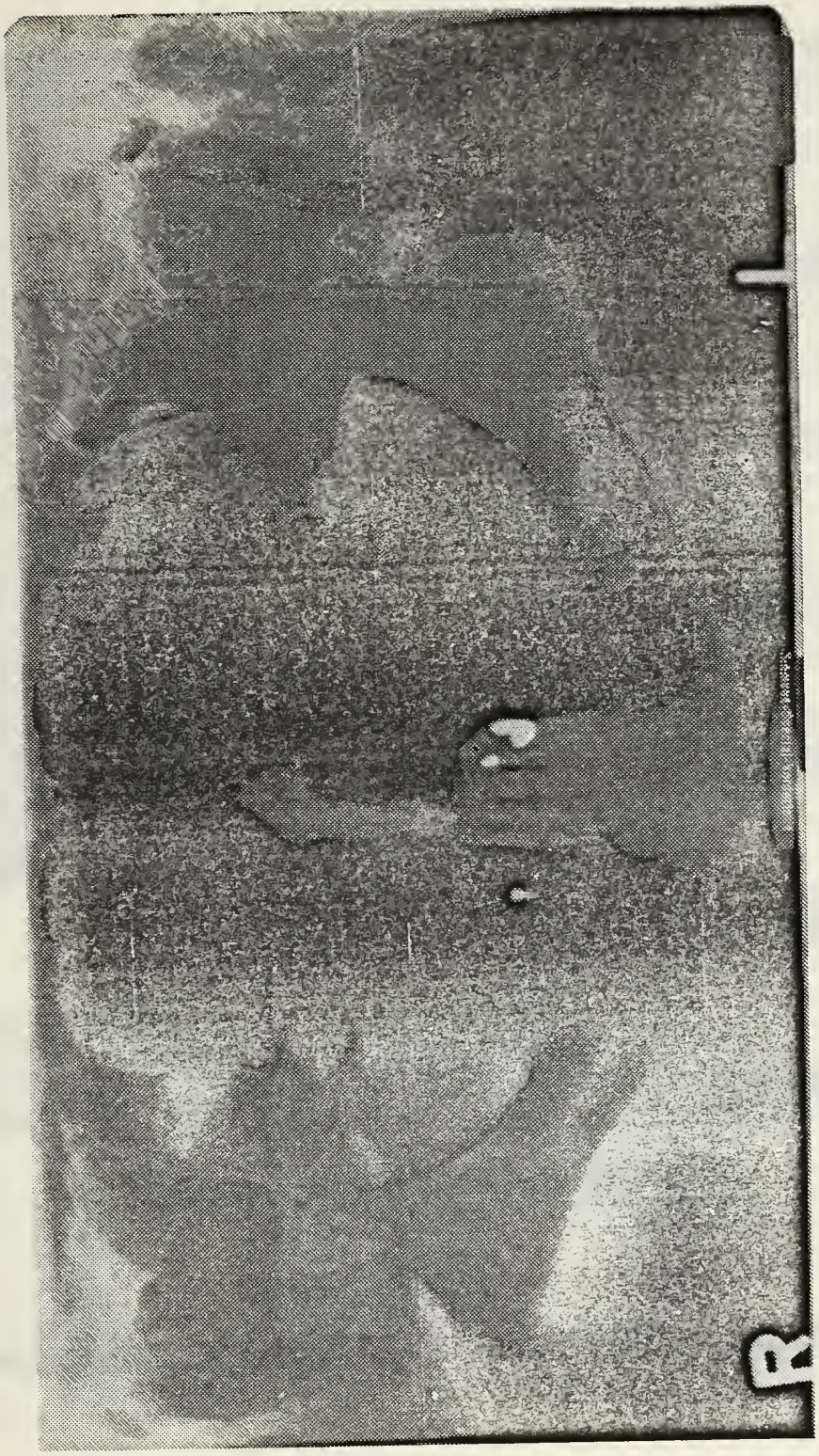
Case #64



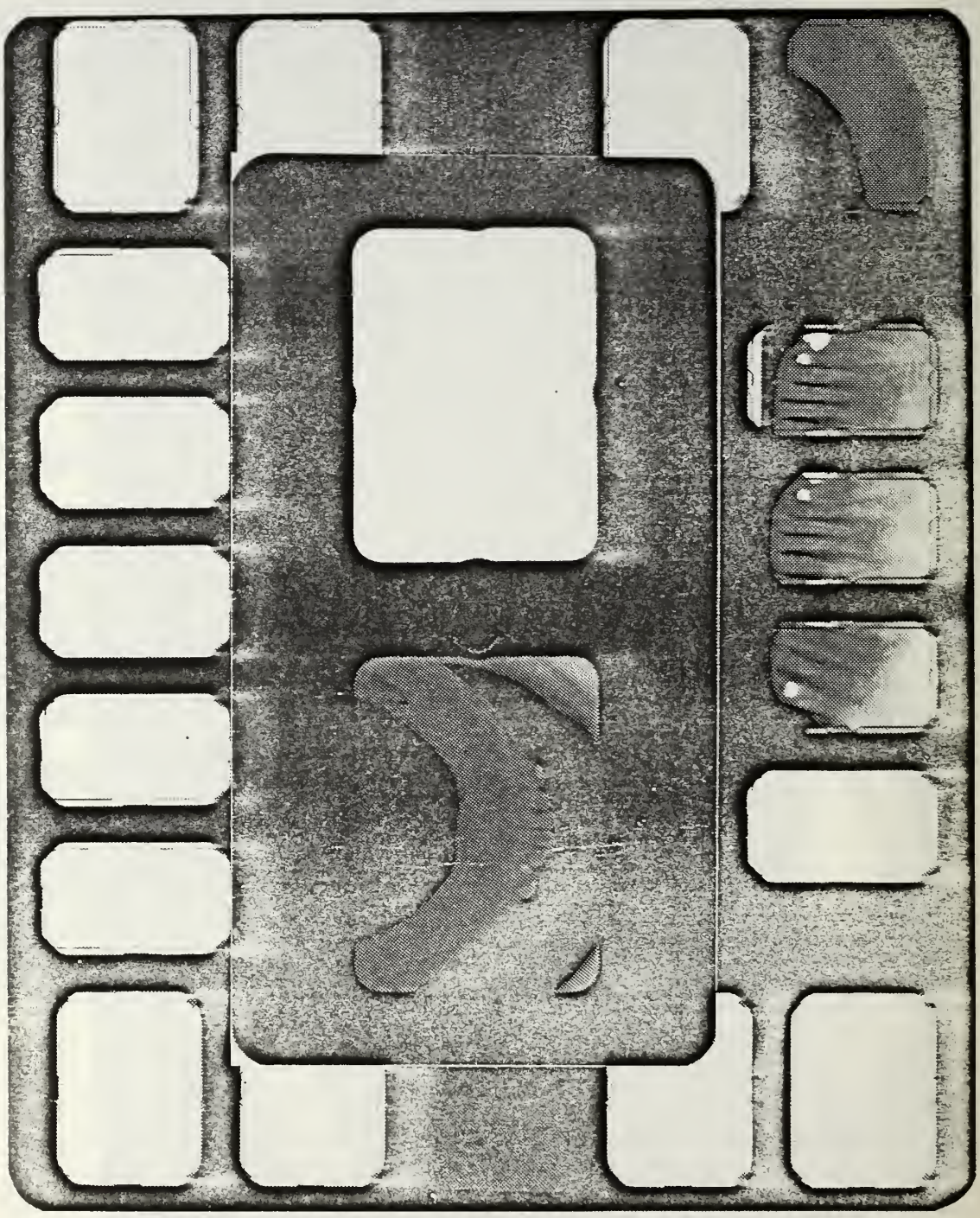



Case #64

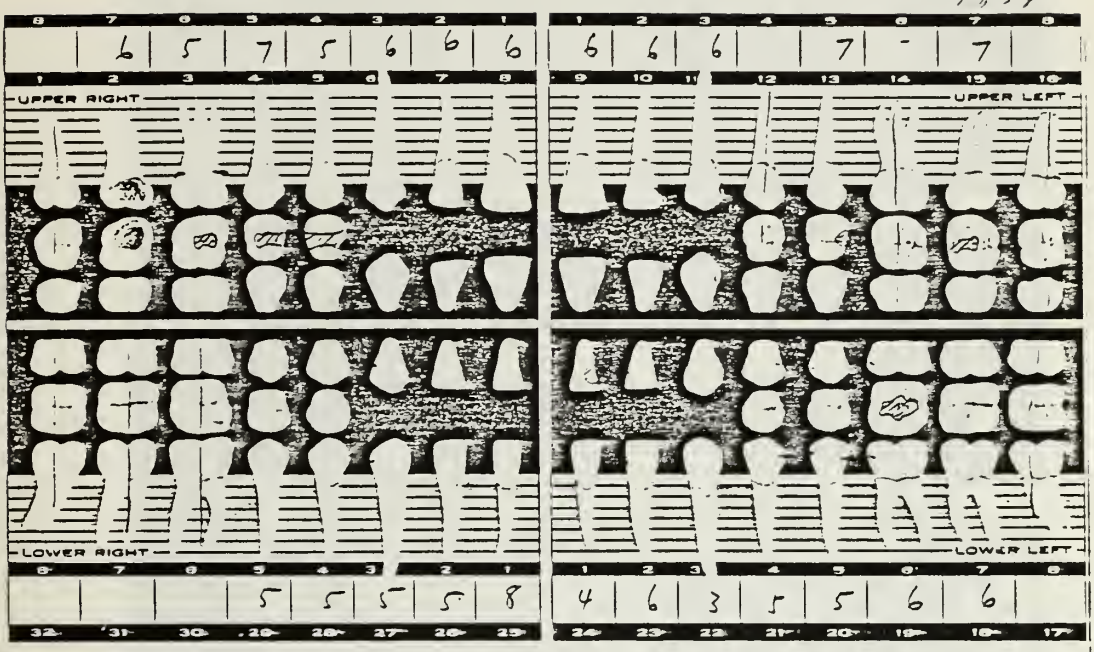


Case #64



Case #64

7838



RECOMMENDED TREATMENT

MOLD

SHADE

Mod. Ht

2 1
8 1
5 1
10 1
13 3
15 2
21 1
23 1
24 1
25 1
26 1

(R) TMJ Splint

UPPER

LOWER

CASE#: 7838
AGE: 34
SEX: FEMALE
RACE: WHITE

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Case #65

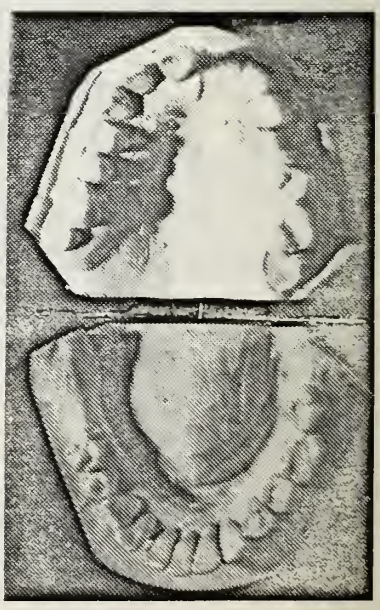




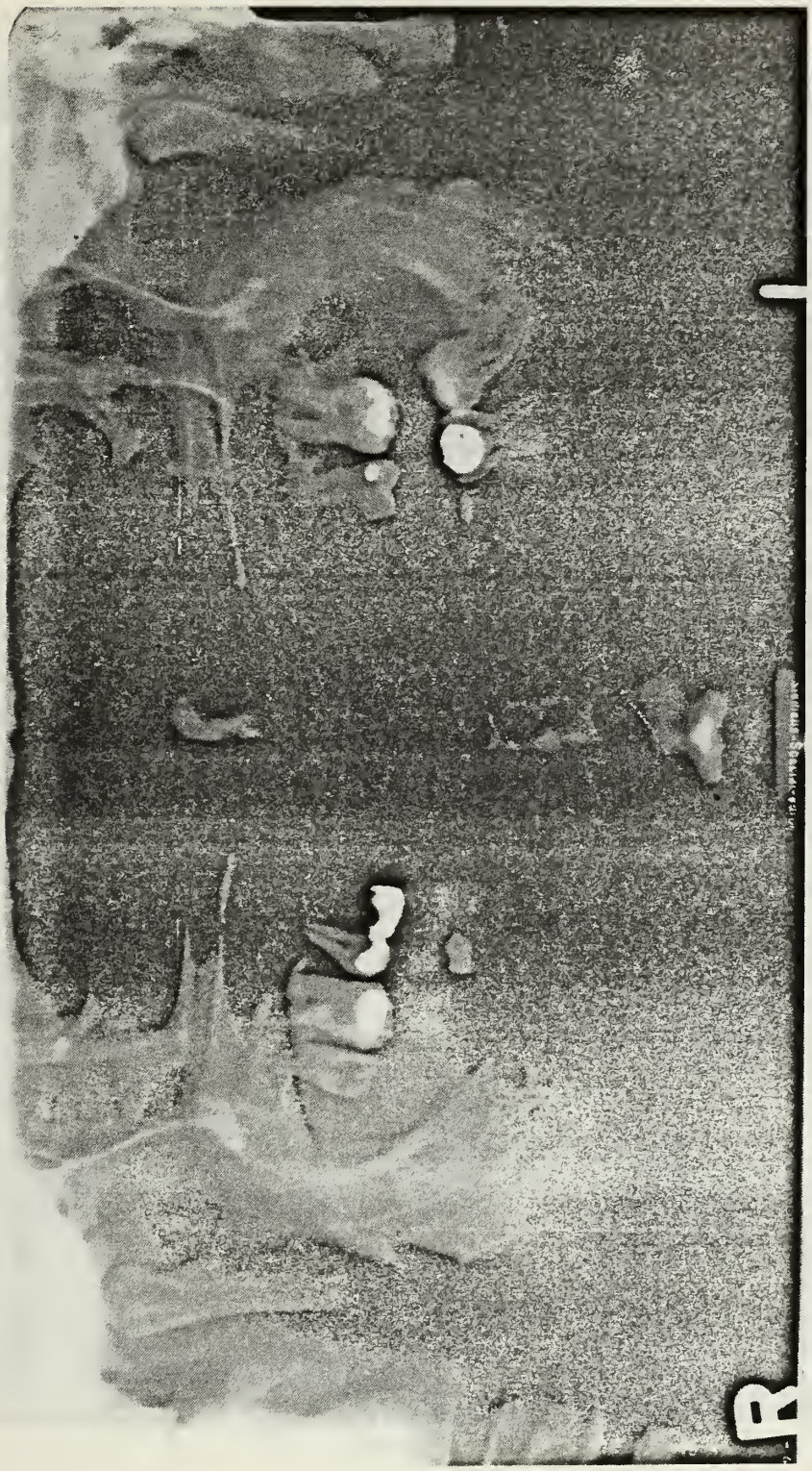




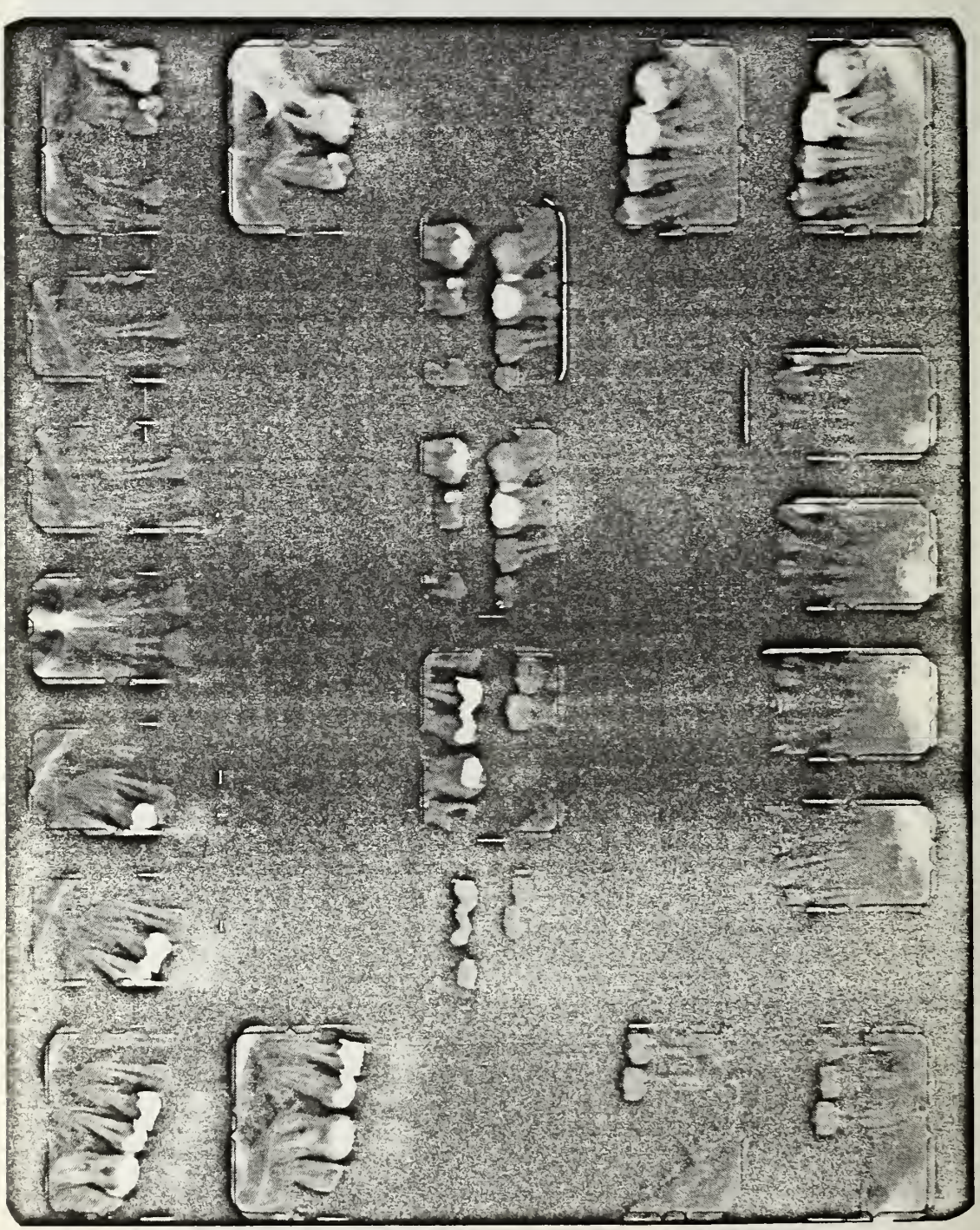




Case #65

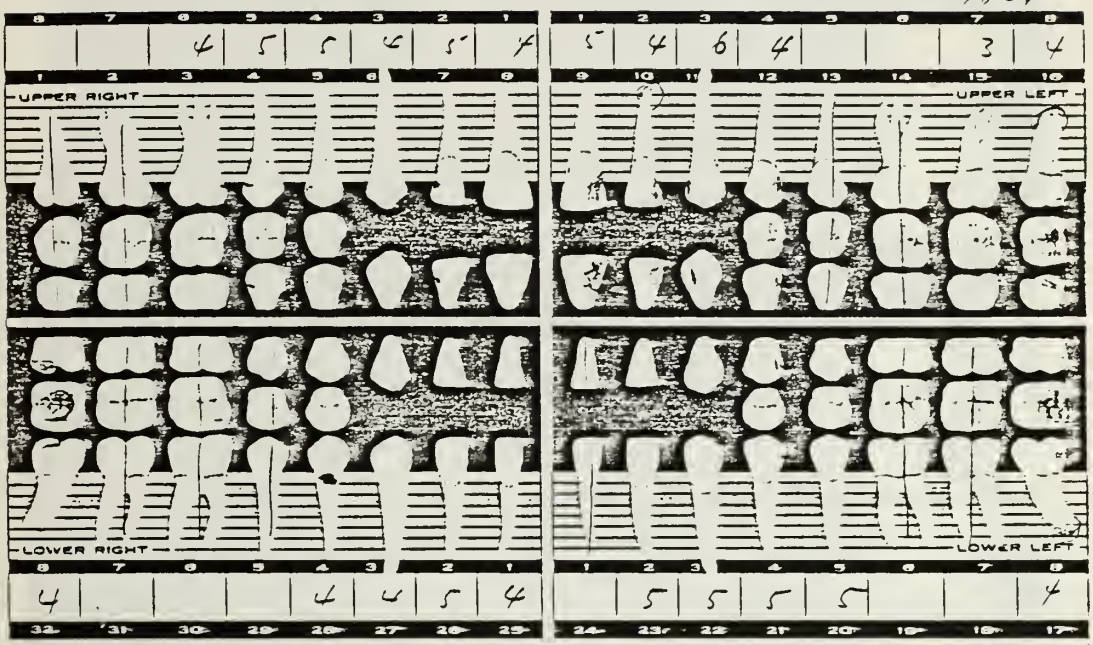


Case #65



Case #65

7839



MOLD

SHADE

UPPER

LOWER

CASE#: 7839
AGE: 34
SEX: MALE
RACE: WHITE

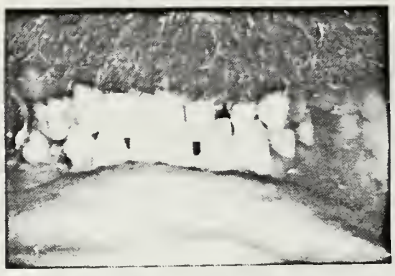
RECOMMENDED TREATMENT

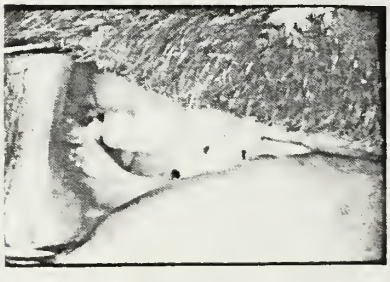
Mobility
17 /
6 /
7 /
8 /
12 /
27 /
28 /
27 /

Periapical reality is satisfactory # 10, 14
17

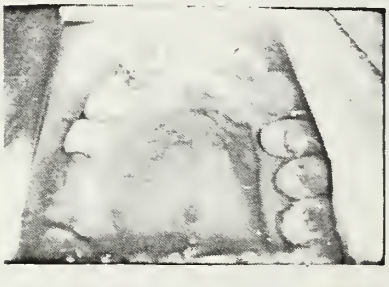
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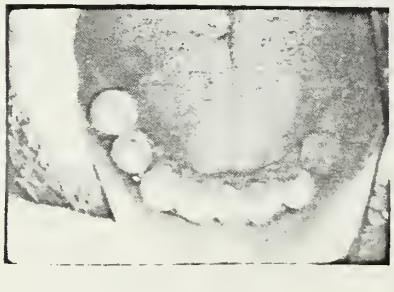
Case #66

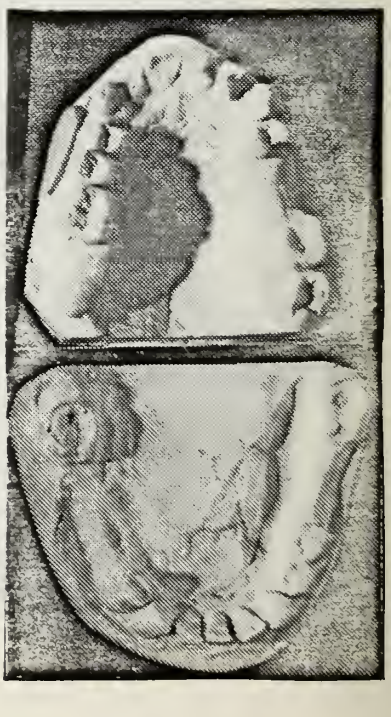




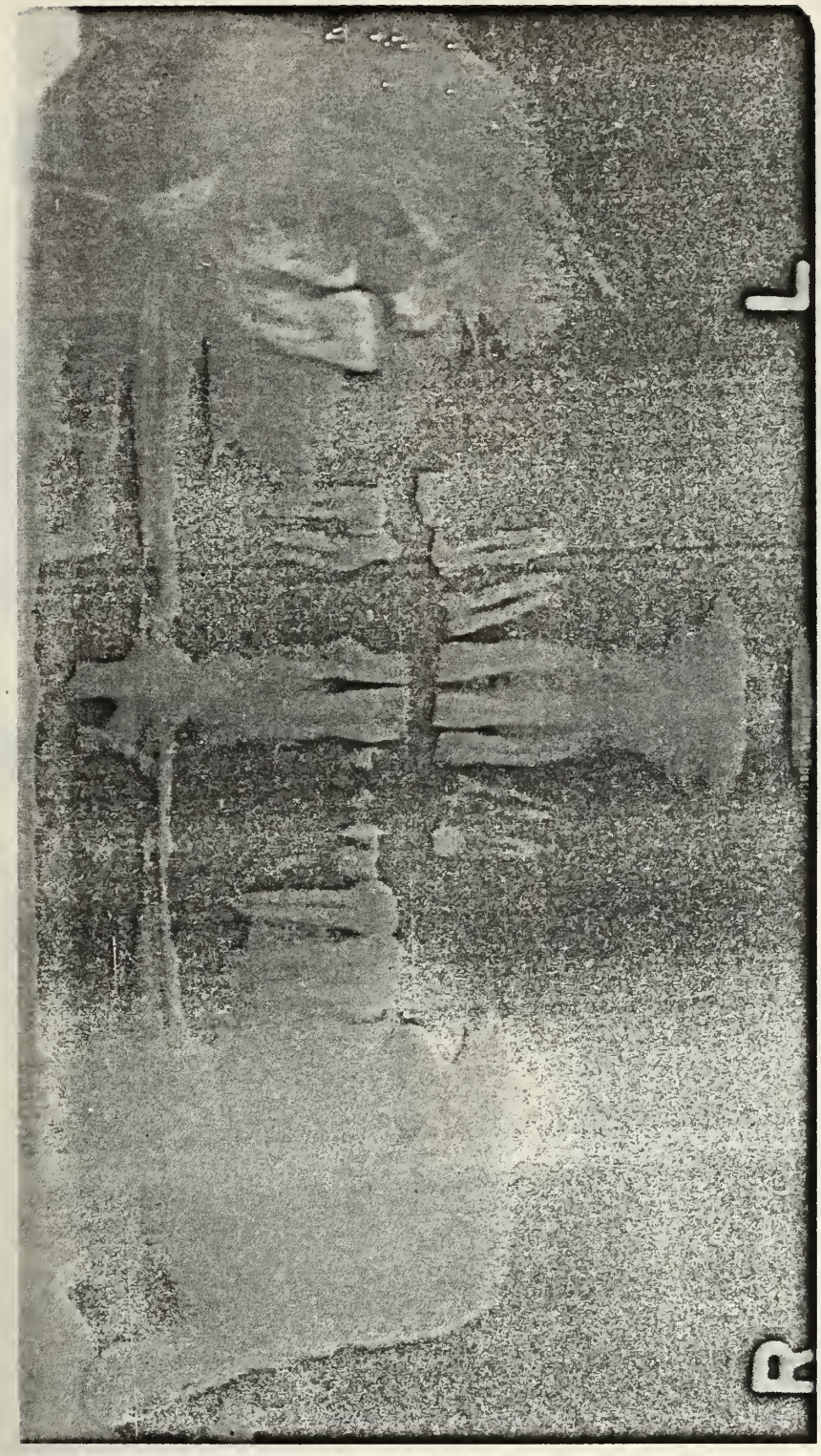




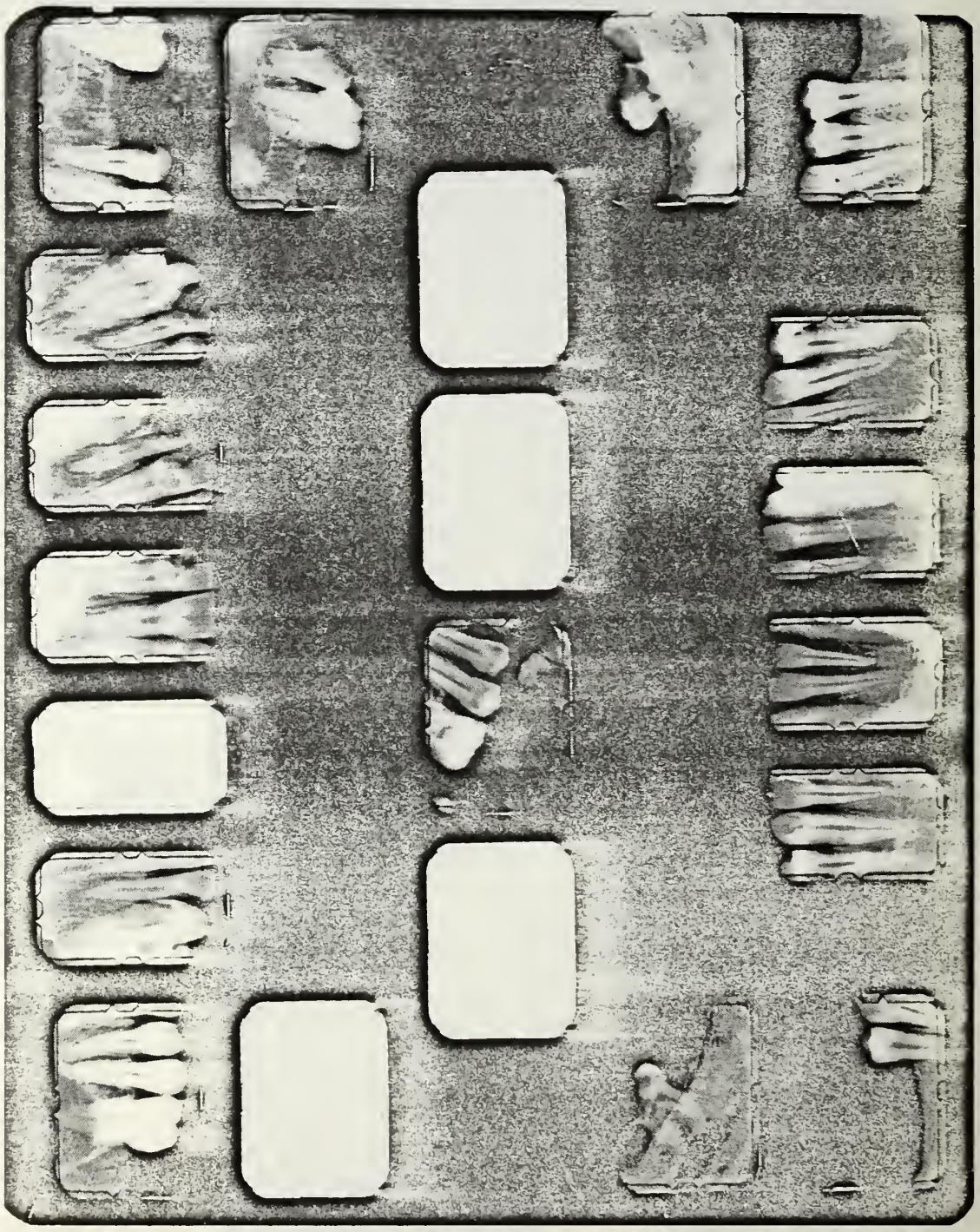




Case #66



Case #66



Case #66

Appendix B.

Original, Untransformed Data Base.

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6108 00 04 01 03 08
6109 00 02 00 01 03
6110 00 00 00 01 01
6111 00 02 00 02 04
6112 00 00 00 00 00
6113 00 00 00 00 00
6114 00 00 00 00 00
6115 00 00 00 00 00
6116 01 01 00 00 02
6117 00 00 00 00 00
6118 00 00 00 00 00
6119 02 01 00 01 04
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422

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6120 00 00 00 01 01
6121 01 01 00 00 02
6122 00 01 00 00 01
6123 00 00 00 00 00
6124 00 00 00 00 00
6125 00 00 00 00 00
6126 00 00 00 00 00
6127 00 00 00 00 00
6128 00 00 00 00 00
6129 00 02 02 05 09
6130 00 02 03 00 05
6131 00 00 00 00 00
6132 00 00 00 00 00
6133 03 02 05 02 12
6134 03 01 00 03 07
6135 00 01 00 00 01
6136 00 00 03 00 03
6137 01 00 00 00 01
6138 00 00 00 00 00
6201 7830 24 1 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0
6202 00 00 00 00 00
6203 00 00 00 00 00
6204 00 00 00 00 00
6205 00 00 00 00 00
6206 00 00 00 00 00
6207 00 00 00 00 00
6208 00 00 00 01 01
6209 00 00 00 01 01
6210 00 00 00 00 00
6211 00 02 00 02 04
6212 00 00 00 00 00
6213 00 00 00 02 02
6214 00 00 00 01 01
6215 00 00 00 00 00
6216 00 00 00 00 00
6217 00 01 00 01 02
6218 00 00 00 01 01
6219 00 04 00 00 04
6220 00 00 00 00 00
6221 00 00 00 00 00
6222 00 00 00 00 00
6223 00 00 00 00 00
6224 00 00 00 00 00
6225 00 00 00 00 00
6226 00 00 00 00 00
6227 00 00 00 00 00
6228 00 00 00 00 00
6229 00 00 00 00 00
6230 00 00 00 00 00
6231 00 00 00 00 00
6232 00 00 00 00 00
6233 06 06 06 03 21
6234 00 02 00 04 06
6235 00 00 00 00 00
6236 00 00 00 00 00
6337 00 00 00 00 00
6238 00 00 00 00 00
6301 7832 67 0 0 0 0 0 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0
6302 00 00 00 00 00
6303 00 00 00 00 00
6304 00 00 00 00 00
6305 00 00 00 00 00
6306 00 00 00 00 00
6307 00 00 00 00 00
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6308 06 05 00 06 17
6309 02 01 00 02 05
6310 00 00 00 02 02
6311 00 02 00 02 04
6312 00 00 00 00 00
6313 00 00 00 00 00
6314 00 00 00 00 00
6315 00 00 00 00 00
6316 00 00 00 00 00
6317 00 00 00 00 00
6318 00 00 00 00 00
6319 00 03 00 00 03
6320 00 00 00 00 00
6321 00 00 00 00 00
6322 00 00 00 00 00
6323 00 00 00 00 00
6324 00 00 00 00 00
6325 00 01 00 00 01
6326 00 00 00 00 00
6327 00 00 00 00 00
6328 00 02 00 00 02
6329 00 03 06 02 11
6330 00 00 00 00 00
6331 00 00 00 00 00
6332 00 00 00 00 00
6333 00 03 06 02 11
6334 00 00 00 00 00
6335 00 00 00 00 00
6336 00 00 00 00 00
6337 00 00 00 00 00
6338 00 00 00 00 00
6401 7833 59 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 1
6402 00 00 00 00 00
6403 00 00 00 00 00
6404 00 00 00 00 00
6405 00 00 00 00 00
6406 00 00 00 00 00
6407 00 00 00 00 00
6408 06 08 00 08 22
6409 02 02 00 00 04
6410 00 02 00 02 04
6411 00 02 00 02 04
6412 00 00 00 00 00
6413 00 00 00 00 00
6414 00 00 00 00 00
6415 00 00 00 00 00
6416 00 00 00 00 00
6417 00 00 00 00 00
6418 00 00 00 00 00
6419 00 00 02 00 02
6420 00 00 00 00 00
6421 00 00 00 00 00
6422 00 00 00 00 00
6423 00 00 00 00 00
6424 00 00 00 00 00
6425 00 00 01 00 01
6426 00 00 00 00 00
6427 06 08 00 00 14
6428 00 00 00 00 00
6429 00 00 00 00 00
6430 00 00 06 00 06
6431 00 00 00 00 00
6432 00 00 00 00 00
6433 00 00 02 00 02
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6434 00 00 04 00 04
6435 00 00 00 00 00
6436 00 00 06 00 06
6437 00 00 00 00 00
6438 00 00 00 00 00
6501 7838 34 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 1 0 1
6502 00 00 00 00 00
6503 00 00 00 00 00
6504 00 00 00 00 00
6505 00 00 00 00 00
6506 00 00 00 00 00
6507 00 00 00 00 00
6508 00 02 00 02 04
6509 00 01 00 01 02
6510 00 00 00 00 00
6511 00 02 00 02 04
6512 00 02 00 00 02
6513 00 00 02 03 05
6514 02 01 00 00 03
6515 00 00 00 00 00
6516 00 01 00 01 02
6517 00 00 00 00 00
6518 00 00 00 00 00
6519 00 03 01 00 04
6520 00 01 00 00 01
6521 00 00 00 00 00
6522 00 00 00 00 00
6523 00 00 00 00 00
6524 00 00 00 00 00
6525 00 00 00 00 00
6526 00 00 00 00 00
6527 00 00 00 00 00
6528 00 01 00 01 02
6529 00 00 00 00 00
6530 00 02 02 05 09
6531 06 04 04 00 14
6532 00 00 00 00 00
6533 00 00 01 00 01
6534 00 02 03 04 09
6535 06 04 02 02 14
6536 03 01 03 02 09
6537 00 01 00 00 01
6538 00 01 00 00 01
6601 7839 34 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 1 0 1
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6603 00 00 00 00 00
6604 00 00 00 00 00
6605 00 00 00 00 00
6606 00 00 00 00 00
6607 00 00 00 00 00
6608 00 03 01 05 09
6609 00 00 00 02 02
6610 00 00 00 00 00
6611 00 01 00 00 01
6612 00 00 00 00 00
6613 00 00 00 00 00
6614 00 03 02 02 07
6615 00 01 02 02 05
6616 00 00 00 00 00
6617 00 00 00 00 00
6618 00 00 00 00 00
6638 00 00 00 00 00
6620 00 00 00 00 00
6621 00 00 00 00 00
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425

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6622 00 00 00 00 00
6623 00 00 00 00 00
6624 00 00 00 00 00
6625 00 00 00 00 00
6626 00 00 00 00 00
6627 00 00 00 00 00
6628 02 01 03 03 09
6629 06 05 04 05 20
6630 00 00 01 00 01
6631 00 00 00 00 00
6632 00 00 00 00 00
6633 00 01 00 00 01
6634 05 05 05 05 20
6635 01 00 00 00 01
6636 03 02 03 00 08
6637 00 00 00 00 00
6638 00 00 00 00 00
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Appendix C

RESULTS OF PREFERENCE PAIRS PROGRAM, 208 VARIABLES.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE1

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	-0.16116	3.119	-0.17211	3.818	-0.15372	4.383	-0.15156	4.750	-0.15118	5.570	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.55371	0.307	0.70700	0.500	0.84669	0.717	0.88177	0.778	0.92062	0.848	

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(76)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(77)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(78)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(79)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(80)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(81)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(82)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(83)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(84)	-0.00702	0.822	-0.60622	0.821	-0.56514	7.508	-0.53632	7.287	-0.52270	7.044
X(85)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(86)	-0.00006	0.806	-0.00006	0.806	-0.00006	7.500	-0.00006	7.287	-0.00006	7.044
X(87)	-0.36554	2.647	-0.35811	2.594	-0.28497	7.927	-0.26937	7.925	-0.24272	7.719
X(88)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(89)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(90)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(91)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(92)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(93)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(94)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(95)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(96)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(97)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(98)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(99)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(100)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(101)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(102)	-0.09524	1.386	-0.08726	1.265	-0.07695	1.116	-0.04013	0.584	-0.03536	0.520
X(103)	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000
X(104)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(105)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(108)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(109)	0.17257	6.817	0.15416	6.045	0.16035	7.281	0.16931	7.703	0.17918	7.867
X(110)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(111)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(112)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(113)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(114)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(115)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(116)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(117)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(118)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(119)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(120)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(121)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(122)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(123)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(124)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(125)	0.09018	4.005	0.07661	3.432	0.07661	3.432	0.05818	2.576	0.05344	2.948
X(126)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(127)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(128)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(129)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(130)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(131)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(132)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(133)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(134)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(135)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(136)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(137)	-0.21208	6.621	-0.19034	6.417	-0.13723	6.725	-0.09970	7.220	-0.09396	7.100
X(138)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	1.47268	3.993	1.28151	3.104	1.37432	3.342	1.29894	3.319	1.38701	3.491
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99171	0.983	0.99244	0.985	0.99342	0.987	0.99473	0.989	0.99538	0.991

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	-0.62165	2.299	-0.62315	2.139	-0.63358	1.890	-0.64166	1.509	-0.64049	1.260
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	-1.07523	2.501	-1.09588	2.304	-1.10359	2.097	-1.11664	1.662	-1.11634	1.438
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	-0.51087	1.980	-0.52234	1.837	-0.53396	1.608	-0.54566	1.158	-0.54391	0.941
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X 54	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 55	-0.26739	6.080	-0.26997	5.477	-0.27286	4.464	-0.27522	3.055	2.368
X 56	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	0.000
X 57	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 58	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 59	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 60	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 61	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 62	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 63	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 64	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 65	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 66	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 67	-1.00522	-1.097	-1.00362	-1.076	-1.00729	-1.276	-1.00905	-1.557	-1.282
X 68	0.00000	3.080	0.00000	2.060	0.00000	1.000	0.00000	0.000	0.000
X 69	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 70	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 71	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 72	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 73	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 74	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 75	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 76	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 77	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 78	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 79	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 80	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 81	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 82	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 83	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 84	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 85	-0.51341	-6.803	-0.51711	-6.186	-0.51995	-5.432	-0.52175	-4.652	-3.200
X 86	0.00000	6.080	0.00000	5.477	0.00000	4.464	0.00000	3.055	2.368
X 87	2.25628	1.901	2.26100	1.915	2.26336	1.962	2.26796	1.292	1.020
X 88	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 89	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 90	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 91	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 92	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 93	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 94	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 95	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 96	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 97	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 98	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 99	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 100	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 101	0.06311	0.862	0.06007	0.746	0.05464	0.529	0.05248	0.412	0.257
X 102	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	0.000
X 103	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 104	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 105	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 106	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 107	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 108	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 109	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 110	0.18045	5.867	0.17924	5.314	0.18014	4.743	0.18171	3.154	2.298
X 111	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 112	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 113	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 114	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 115	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 116	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X 117	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000

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X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00018	0.009	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	-0.10573	7.022	-0.10619	6.477	-0.10582	5.780	-0.10592	5.135	-0.10603	3.959	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.54073	2.056	0.53832	1.899	0.53241	1.686	0.53022	1.484	0.53184	1.180	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	1.30735	3.192	1.28613	2.826	1.28378	2.575	1.27638	2.175	1.27556	1.865	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.99589	0.992	0.99592	0.992	0.99592	0.992	0.99593	0.992	0.99593	0.992	

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	-0.64005	0.843	-0.62496	0.063
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	-0.00169	0.001	-0.03879	0.002
X(28)	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000

XX32	0.00000	0.000	0.000	0.000
XX33	-0.01097	0.011	0.000	0.000
XX34	-1.00707	1.000	0.000	0.130
XX35	0.00000	0.000	0.000	0.000
XX36	0.00000	0.000	0.000	0.000
XX37	0.00000	0.000	0.000	0.000
XX38	0.00000	0.000	0.000	0.000
XX39	0.00000	0.000	0.000	0.000
XX40	0.00000	0.000	0.000	0.000
XX41	0.00000	0.000	0.000	0.000
XX42	0.00000	0.000	0.000	0.000
XX43	0.00000	0.000	0.000	0.000
XX44	0.00000	0.000	0.000	0.000
XX45	0.00000	0.000	0.000	0.000
XX46	0.00000	0.000	0.000	0.000
XX47	0.00000	0.000	0.000	0.000
XX48	0.00000	0.000	0.000	0.000
XX49	0.00000	0.000	0.000	0.000
XX50	0.00000	0.000	0.000	0.000
XX51	-0.54418	0.719	-0.54616	0.326
XX52	-0.00000	0.000	-0.00000	0.000
XX53	-0.29437	0.657	-0.26446	0.041
XX54	-0.00000	0.000	-0.00000	0.000
XX55	0.00000	0.000	0.00000	0.000
XX56	0.00000	0.000	0.00000	0.000
XX57	0.00000	0.000	0.00000	0.000
XX58	0.00000	0.023	0.00396	0.006
XX59	0.00749	0.000	0.00000	0.000
XX60	0.00000	0.000	0.00000	0.000
XX61	0.00000	0.000	0.00000	0.000
XX62	0.00702	0.018	-0.00121	0.000
XX63	0.00000	0.000	0.00000	0.000
XX64	0.00000	0.000	0.00000	0.000
XX65	0.00000	0.000	0.00000	0.000
XX66	-1.00820	4.714	-1.00361	3.334
XX67	0.00000	0.000	0.00000	0.000
XX68	0.00000	0.000	0.00000	0.000
XX69	0.00000	0.000	0.00000	0.000
XX70	0.00000	0.000	0.00000	0.000
XX71	0.00000	0.000	-0.00421	0.002
XX72	0.00000	0.000	0.00000	0.000
XX73	0.00000	0.000	0.00000	0.000
XX74	0.00000	0.000	0.00000	0.000
XX75	0.00000	0.000	0.00000	0.000
XX76	0.00000	0.000	0.00000	0.000
XX77	0.00000	0.000	0.00000	0.000
XX78	0.00000	0.000	0.00000	0.000
XX79	0.00000	0.000	0.00000	0.000
XX80	0.00000	0.000	0.00000	0.000
XX81	0.00000	0.000	0.00000	0.000
XX82	0.00000	0.000	0.00000	0.000
XX83	0.00000	0.000	0.00000	0.000
XX84	-0.51980	3.418	-0.52187	0.382
XX85	-0.00000	0.000	-0.00000	0.000
XX86	-0.26670	0.601	-0.25948	0.055
XX87	0.00000	0.000	0.00000	0.000
XX88	0.00000	0.000	0.00000	0.000
XX89	0.00000	0.000	0.00000	0.000
XX90	0.00000	0.000	0.00000	0.000
XX91	0.00000	0.000	0.00000	0.000
XX92	0.00000	0.000	0.00000	0.000
XX93	0.00000	0.000	0.00000	0.000
XX94	0.00000	0.000	0.00000	0.000
XX95	0.00000	0.000	0.00000	0.000

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X(160)	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000
X(162)	0.00000	0.000	0.00000	0.000
X(163)	0.00000	0.000	0.00000	0.000
X(164)	0.03477	0.132	0.02911	0.008
X(165)	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.00028	0.003	0.00259	0.002
X(189)	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000
X(193)	-0.10604	3.214	-0.10586	0.846
X(194)	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.53642	0.118	0.63618	0.010
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000
X(207)	1.27693	0.802	1.30550	0.070
X(208)	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99593	0.992	0.99593	0.992

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGE1 JUDGMENT	PREDICTION	ERROR
48	1	1.00000	0.99984	0.00016
4	6	2.00000	2.00008	-0.00008
5	17	1.00000	1.00024	-0.00024
43	7	1.00000	0.66646	0.33354
8	31	2.00000	2.00047	-0.00047
19	9	-2.00000	-1.99993	-0.00007

28	18	-1.00000	-0.99992	-0.00008
21	65	1.00000	1.00000	0.00000
66	24	-1.00000	-1.00012	0.00012
37	27	1.00000	0.99992	0.00008
30	36	1.00000	1.00024	-0.00024
56	35	-1.00000	-1.00040	0.00040
40	5	1.00000	0.99991	0.00009
9	40	-1.00000	-0.99982	-0.00018
43	57	2.00000	2.33306	-0.33306
45	47	1.00000	0.99999	0.00001
46	35	1.00000	0.99999	0.00001
50	61	1.00000	0.99977	0.00023
51	37	-1.00000	-1.00008	0.00008
47	52	1.00000	0.99967	0.00033
7	57	2.00000	1.66660	0.33340
60	36	-1.00000	-0.99975	-0.00025
27	63	2.00000	2.00003	-0.00003

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COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE2

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	-1.11111	3.454	-0.89920	3.267	-0.88986	3.610	-0.88986	4.043
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	-1.50000	2.934	-1.77778	4.178	-1.87277	5.278	-1.79895	5.636	-1.79895	6.313
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(167)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.53033	0.281	0.73598	0.542	0.83579	0.699	0.87771	0.770	0.90919	0.827												

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.94320	0.890	0.96572	0.933	0.97893	0.958	0.98479	0.970	0.98982	0.980

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.10540	1.054	0.10964	1.069	0.13026	1.089
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	-1.06683	11.905	-0.96378	8.912	-0.97324	9.013	-0.96750	8.730	-0.97077	8.319
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	-1.91312	15.345	-1.95944	16.073	-1.96534	16.185	-1.96299	15.784	-1.96588	15.027
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	-0.51009	1.877	-0.78569	2.504	-0.92652	2.729	-0.88778	2.525	-0.97695	2.261
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.36598	2.524	0.35437	2.575	0.27830	1.798	0.29549	1.845	0.25977	1.362
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(57)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(58)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	-0.29722	1.538	-0.30921	1.606	-0.32158	1.625	-0.32089	1.544
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99214	0.984	0.99353	0.987	0.99418	0.988	0.99451	0.989	0.99462	0.989

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.13526	1.059	0.14712	1.010	0.14750	0.926	0.14945	0.682	0.15053	0.457
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.04160	0.149	0.03996	0.121	0.04032	0.104
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.14346	0.244	0.12188	0.185	0.12916	0.147	0.12902	0.127
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	-0.98105	7.685	-1.04126	3.686	-1.05354	3.296	-1.05574	2.741	-1.05644	2.271
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(37)	-1.97037	14.130	-1.97750	12.950	-1.97228	11.564	-1.97485	7.767	-1.97311	4.403
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	-0.97727	2.132	-0.94502	1.852	-0.97029	1.665	-0.96619	1.371	-0.96774	1.116
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.25886	1.279	0.26008	1.195	0.27085	1.090	0.26920	0.903	0.26882	0.763
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(57)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(58)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(60)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(61)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(63)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(64)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(65)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(66)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(67)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(68)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(69)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(70)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(71)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(72)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(73)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(74)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(75)	-0.02103	0.330	-0.05110	0.362	-0.05497	0.351	-0.05669	0.273	-0.05645	0.231
X(76)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(77)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(78)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(79)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(80)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(81)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(82)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(83)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(84)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(85)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(86)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(87)	0.81731	4.499	0.81547	4.174	0.81246	3.787	0.81549	2.621	0.81451	2.002
X(88)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(89)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(90)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(91)	-0.38065	1.316	-0.33705	0.940	-0.32281	0.800	-0.32328	0.715	-0.32124	0.490
X(92)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(93)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(94)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(95)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(96)	-1.09330	5.129	-1.10896	4.661	-1.11902	4.165	-1.12043	3.565	-1.12096	2.974
X(97)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(98)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(99)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(100)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(165)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(166)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(167)	0.05458	2.481	0.05394	2.268	0.05355	2.049	0.05376	1.675	0.05376	1.450	
X(168)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(170)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.00269	0.005	
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	-0.29631	1.273	-0.21153	0.494	-0.21246	0.454	-0.21037	0.389	-0.20969	0.328	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.99470	0.989	0.99475	0.990	0.99478	0.990	0.99478	0.990	0.99478	0.990	

STEP NUMBER 21

	COEFF	T-VAL
X(2)	0.00000	0.000
X(3)	0.15047	0.299
X(4)	0.00000	0.000
X(5)	0.00000	0.000
X(6)	0.00000	0.000
X(7)	0.00000	0.000
X(8)	0.00000	0.000
X(9)	0.00000	0.000
X(10)	0.00000	0.000
X(11)	0.00000	0.000
X(12)	0.00000	0.000
X(13)	0.04056	0.035
X(14)	0.00000	0.000

X(15)	0.00000	0.000
X(16)	0.00000	0.000
X(17)	0.00000	0.000
X(18)	0.09000	0.000
X(19)	0.12039	0.007
X(20)	-1.05619	0.842
X(21)	-0.00000	0.000
X(22)	0.00000	0.000
X(23)	0.00000	0.000
X(24)	0.00000	0.000
X(25)	0.00000	0.000
X(26)	0.00000	0.000
X(27)	0.00000	0.000
X(28)	0.00000	0.000
X(29)	0.00000	0.000
X(30)	0.00000	0.000
X(31)	0.00000	0.000
X(32)	0.00000	0.000
X(33)	0.00000	0.000
X(34)	0.00000	0.000
X(35)	0.00000	0.000
X(36)	0.00000	0.000
X(37)	-1.97249	0.710
X(38)	-0.00000	0.000
X(39)	-0.96163	0.826
X(40)	0.00000	0.000
X(41)	0.00000	0.000
X(42)	0.00000	0.000
X(43)	0.00000	0.000
X(44)	0.00000	0.000
X(45)	0.00000	0.000
X(46)	0.00000	0.000
X(47)	0.00000	0.000
X(48)	0.00000	0.000
X(49)	0.00000	0.000
X(50)	0.00000	0.000
X(51)	0.09000	0.729
X(52)	0.26328	0.720
X(53)	0.00000	0.000
X(54)	0.00000	0.000
X(55)	0.00000	0.000
X(56)	0.00000	0.000
X(57)	0.00000	0.000
X(58)	0.00000	0.000
X(59)	0.00000	0.000
X(60)	0.00000	0.000
X(61)	0.00000	0.000
X(62)	0.00000	0.000
X(63)	0.00000	0.000
X(64)	0.00000	0.000
X(65)	0.00000	0.000
X(66)	0.00000	0.000
X(67)	0.00000	0.000
X(68)	0.00000	0.000
X(69)	0.00000	0.000
X(70)	0.00000	0.000
X(71)	0.00000	0.000
X(72)	0.00000	0.000
X(73)	0.00000	0.000
X(74)	0.00000	0.000
X(75)	-0.05618	0.046
X(76)	-0.00000	0.000
X(77)	0.00000	0.000
X(78)	0.00000	0.000

X(79)	0.00000	0.000
X(80)	0.00000	0.000
X(81)	0.00000	0.000
X(82)	0.00000	0.000
X(83)	0.00000	0.000
X(84)	0.00000	0.000
X(85)	0.00000	0.000
X(86)	0.01382	0.200
X(87)	0.00000	0.000
X(88)	0.00000	0.000
X(89)	0.00000	0.000
X(90)	0.00000	0.000
X(91)	-0.32110	0.310
X(92)	0.00000	0.000
X(93)	0.00000	0.000
X(94)	0.00000	0.000
X(95)	-0.12043	0.469
X(96)	-0.12043	0.469
X(97)	0.00000	0.000
X(98)	0.00000	0.000
X(99)	0.00000	0.000
X(100)	0.00000	0.000
X(101)	0.00000	0.000
X(102)	0.00000	0.000
X(103)	0.00000	0.000
X(104)	0.00000	0.000
X(105)	0.00000	0.000
X(106)	0.00000	0.000
X(107)	0.00000	0.000
X(108)	0.00000	0.000
X(109)	0.00000	0.000
X(110)	0.00000	0.000
X(111)	0.00000	0.000
X(112)	0.00000	0.000
X(113)	0.00000	0.000
X(114)	0.00000	0.000
X(115)	0.00000	0.001
X(116)	0.02799	0.051
X(117)	0.19440	0.051
X(118)	0.00000	0.000
X(119)	0.00000	0.000
X(120)	0.00002	0.035
X(121)	-0.13030	0.035
X(122)	-0.15866	0.606
X(123)	-0.00062	0.000
X(124)	0.00000	0.000
X(125)	0.00000	0.000
X(126)	0.00000	0.000
X(127)	0.00000	0.000
X(128)	0.00000	0.000
X(129)	0.00000	0.000
X(130)	0.00000	0.000
X(131)	0.00000	0.000
X(132)	0.00000	0.000
X(133)	0.00000	0.000
X(134)	0.00908	0.125
X(135)	-0.10538	0.060
X(136)	0.00000	0.000
X(137)	0.00000	0.000
X(138)	0.00000	0.000
X(139)	0.00000	0.000
X(140)	0.00000	0.000
X(141)	0.00000	0.000
X(142)	0.00000	0.000

X 143	0.00000	0.000
X 144	0.00000	0.000
X 145	0.00000	0.000
X 146	0.00000	0.000
X 147	0.00000	0.000
X 148	0.00000	0.000
X 149	0.00000	0.000
X 150	0.00000	0.000
X 151	0.00000	0.000
X 152	0.00000	0.000
X 153	0.00000	0.000
X 154	0.00000	0.000
X 155	0.00000	0.000
X 156	-0.20671	0.166
X 157	-0.00000	0.000
X 158	0.00000	0.000
X 159	0.00000	0.000
X 160	0.00000	0.000
X 161	0.00000	0.000
X 162	0.00000	0.000
X 163	0.00000	0.000
X 164	0.00000	0.000
X 165	0.00000	0.000
X 166	0.00990	0.000
X 167	0.03073	0.001
X 168	0.00000	0.000
X 169	0.00000	0.000
X 170	-0.00329	0.001
X 171	0.00000	0.000
X 172	0.00000	0.000
X 173	0.00000	0.000
X 174	0.00000	0.000
X 175	0.00000	0.000
X 176	0.00000	0.000
X 177	0.00000	0.000
X 178	0.00000	0.000
X 179	0.00000	0.000
X 180	0.00000	0.000
X 181	0.00000	0.000
X 182	0.00000	0.000
X 183	0.00000	0.000
X 184	0.00000	0.000
X 185	0.00000	0.000
X 186	0.00000	0.000
X 187	0.00000	0.000
X 188	0.00000	0.000
X 189	0.00000	0.000
X 190	0.00000	0.000
X 191	0.00000	0.000
X 192	0.00000	0.000
X 193	0.00000	0.000
X 194	0.00000	0.000
X 195	0.00000	0.000
X 196	0.00000	0.000
X 197	0.00000	0.000
X 198	0.00000	0.000
X 199	0.00000	0.000
X 200	0.00000	0.000
X 201	0.00000	0.000
X 202	0.00000	0.000
X 203	0.00000	0.000
X 204	-0.00000	0.000
X 205	-0.20992	0.162
X 206	0.00000	0.000

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X(207)	0.00000	0.000
X(208)	0.00000	0.000

0 MULTIPLE R R-SQUARED
0.99478 0.990

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGE2 JUDGMENT	PREDICTION	ERROR
48	1	-1.00000	-0.99998	-0.00002
4	6	-1.00000	-1.00000	-0.00000
5	17	1.00000	0.99998	0.00002
43	7	-1.00000	-0.66665	-0.33335
8	31	1.00000	0.99999	0.00001
19	9	-1.00000	-0.99994	-0.00006
28	18	-1.00000	-1.00001	0.00001
21	65	-1.00000	-0.99998	-0.00002
66	24	-1.00000	-1.00000	-0.00000
37	27	-1.00000	-1.00003	0.00003
30	36	-1.00000	-1.00000	-0.00000
56	35	1.00000	0.99999	0.00001
40	5	-1.00000	-1.00001	0.00001
9	40	2.00000	1.99999	0.00001
43	57	2.00000	1.66666	0.33334
45	47	1.00000	1.00002	-0.00002
46	35	1.00000	1.00000	0.00000
50	61	-1.00000	-0.99999	-0.00001
51	37	-1.00000	-0.99998	-0.00002
47	52	1.00000	0.99999	0.00001
7	57	2.00000	2.33331	-0.33331
60	36	-1.00000	-1.00002	0.00002
27	63	1.00000	1.00003	-0.00003

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COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE3

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.83333	2.898	0.83333	3.352	0.86233	3.957	0.86233	4.853
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	1.00000	3.253
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

| | | |

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.88959	6.267	0.81167	6.354	0.83707	7.228	0.83869	7.718	0.67688	5.474
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	1.12375	4.533	1.12335	5.192	1.28016	6.148	1.28108	6.805	1.39030	7.600
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(57)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(58)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(60)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(61)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(63)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.95090	0.904	0.96504	0.931	0.97345	0.948	0.97841	0.957	0.98396	0.968	

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.67735	6.440	0.76279	9.686	0.86985	11.546	0.87652	18.309	0.90376	30.926
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	1.45025	9.296	1.46125	13.133	1.52908	16.395	1.46296	23.779	1.46587	40.038
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(170)	-1.26767	12.523	-1.35538	17.768	-1.45369	20.221	-1.53572	30.650	-1.57370	50.489
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.01639	3.974	0.01528	6.190
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98931	0.979	0.99504	0.990	0.99707	0.994	0.99894	0.998	0.99967	0.999

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.88967	45.439	0.87461	74.336	0.87844	147.364	0.88660	493.828	0.88720	676.765
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	1.46546	61.115	1.48384	103.017	1.49231	199.607	1.50147	686.538	1.50121	958.531
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(84)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(85)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(86)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(87)	0.32801	9.807	0.39311	15.631	0.41711	30.319	0.41485	117.933	0.41367	161.009
X(88)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(89)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(90)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(91)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(92)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(93)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(94)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(95)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(96)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(97)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(98)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(99)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(100)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(101)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(102)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(103)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(104)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(105)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(108)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(109)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(110)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(111)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(112)	0.24874	50.029	0.25397	81.362	0.25373	162.120	0.25537	576.599	0.25534	805.172
X(113)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(114)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(115)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(116)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(117)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(118)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.00072	2.201
X(119)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(120)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(121)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(122)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(123)	0.16130	25.011	0.16276	44.162	0.16114	85.544	0.16087	334.187	0.16074	461.007
X(124)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.02900	8.538	-0.02964	12.134
X(125)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(126)	-0.44480	11.357	-0.43813	19.618	-0.42759	37.341	-0.46170	93.306	-0.46284	129.586
X(127)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(128)	-0.13276	9.497	-0.13861	17.144	-0.14319	34.208	-0.12040	41.884	-0.11980	57.853
X(129)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(130)	-0.73540	18.286	-0.71801	30.835	-0.71805	61.541	-0.71396	236.922	-0.71478	327.183
X(131)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(132)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(133)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(134)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(135)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(136)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(137)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(138)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(139)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(140)	1.37092	25.171	1.31490	38.616	1.26253	60.447	1.24373	215.828	1.24409	302.077
X(141)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(142)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(143)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(144)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(145)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(146)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(147)	-0.07971	3.413	-0.08693	6.486	-0.08575	12.757	-0.07765	39.646	-0.07717	54.515

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	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.88711	536.858	0.88652	62.669
X(4)	0.00000	0.000	0.00000	0.000
X(5)	1.50120	790.282	1.50130	422.947
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	-0.00127	0.042
X(44)	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000
X(57)	0.00000	0.000	0.00000	0.000
X(58)	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000
X(60)	0.00000	0.000	0.00000	0.000
X(61)	0.00000	0.000	0.00000	0.000

X62	0.00000	0.000	0.00000	0.000	
X63	0.00000	0.000	0.00000	0.000	
X64	0.00000	0.000	0.00000	0.000	
X65	0.00000	0.000	0.00000	0.000	
X66	0.00000	0.000	0.00000	0.000	
X67	0.00000	0.000	0.00000	0.000	
X68	0.00000	0.000	0.00000	0.000	
X69	0.00000	0.000	0.00000	0.000	
X70	0.00000	0.000	0.00000	0.000	
X71	0.00000	0.000	0.00000	0.000	
X72	0.00000	0.000	0.00000	0.000	
X73	0.00000	0.000	0.00000	0.000	
X74	0.00000	0.000	0.00000	0.000	
X75	0.00000	0.000	0.00000	0.000	
X76	0.00000	0.000	0.00000	0.000	
X77	0.00000	0.000	0.00000	0.000	
X78	0.00000	0.000	0.00000	0.000	
X79	0.00000	0.000	0.00000	0.000	
X80	0.00000	0.000	0.00000	0.000	
X81	0.00000	0.000	0.00000	0.000	
X82	0.00000	0.000	0.00000	0.000	
X83	0.00000	0.000	0.00000	0.000	
X84	0.00000	0.000	0.00000	0.000	
X85	0.00000	0.000	0.00000	0.000	
X86	0.00000	0.000	0.00000	0.000	
X87	0.41369	132.332	0.41414	31.416	
X88	0.00000	0.000	0.00000	0.000	
X89	0.00000	0.000	0.00000	0.000	
X90	0.00000	0.000	0.00000	0.000	
X91	0.00000	0.000	0.00000	0.000	
X92	0.00000	0.000	0.00000	0.000	
X93	0.00000	0.000	0.00000	0.000	
X94	0.00000	0.000	0.00000	0.000	
X95	0.00000	0.000	0.00000	0.000	
X96	0.00000	0.000	0.00000	0.000	
X97	0.00000	0.000	0.00000	0.000	
X98	0.00000	0.000	0.00000	0.000	
X99	0.00000	0.000	0.00000	0.000	
X100	0.00000	0.000	0.00000	0.000	
X101	0.00000	0.000	0.00000	0.000	
X102	0.00000	0.000	0.00000	0.000	
X103	0.00000	0.000	0.00000	0.000	
X104	0.00000	0.000	0.00000	0.000	
X105	0.00000	0.000	0.00000	0.000	
X106	0.00000	0.000	0.00000	0.000	
X107	0.00000	0.000	0.00000	0.000	
X108	0.00000	0.000	0.00000	0.000	
X109	0.00000	0.000	0.00000	0.000	
X110	0.00000	0.000	0.00000	0.000	
X111	0.99900	520.403	0.99908	54.905	
X112	0.25527	2.000	0.25508	54.000	
X113	0.00000	0.000	0.00000	0.000	
X114	0.00000	0.000	0.00000	0.000	
X115	0.00000	0.000	0.00000	0.000	
X116	0.00000	0.000	0.00000	0.000	
X117	-0.00078	-1.548	-0.00101	-0.184	
X118	0.00000	0.000	0.00000	0.000	
X119	0.00000	0.000	0.00000	0.000	
X120	0.00000	0.000	0.00000	0.000	
X121	0.00000	0.000	0.00000	0.000	
X122	0.16070	339.502	0.16059	60.943	
X123	-0.02945	-9.473	-0.02886	-1.958	
X124	-0.00000	0.000	-0.00000	0.000	
X125					

X(126)	-0.46270	105.529	-0.46146	15.378
X(127)	0.00000	0.000	0.00000	0.000
X(128)	-0.11992	46.591	-0.12068	6.609
X(129)	0.00000	0.000	0.00000	0.000
X(130)	-0.71474	268.856	-0.71465	166.277
X(131)	0.00000	0.000	0.00000	0.000
X(132)	0.00000	0.000	0.00000	0.000
X(133)	0.00000	0.000	0.00000	0.000
X(134)	0.00000	0.000	0.00000	0.000
X(135)	0.00000	0.000	0.00000	0.000
X(136)	0.00000	0.000	0.00000	0.000
X(137)	0.00000	0.000	0.00000	0.000
X(138)	0.00000	0.000	0.00000	0.000
X(139)	0.00000	0.000	0.00000	0.000
X(140)	1.24298	167.299	1.23706	8.836
X(141)	0.00000	0.000	0.00000	0.000
X(142)	0.00000	0.000	0.00000	0.000
X(143)	0.00000	0.000	0.00000	0.000
X(144)	0.00000	0.000	0.00000	0.000
X(145)	0.00000	0.000	0.00000	0.000
X(146)	0.00000	0.000	0.00000	0.000
X(147)	-0.07717	44.959	-0.07750	9.630
X(148)	-0.02483	17.040	-0.02439	2.301
X(149)	0.00000	0.000	0.00000	0.000
X(150)	0.00000	0.000	0.00000	0.000
X(151)	0.00000	0.000	0.00000	0.000
X(152)	0.00000	0.000	0.00000	0.000
X(153)	-0.47164	800.432	-0.47201	54.748
X(154)	0.00000	0.000	0.00000	0.000
X(155)	0.00000	0.000	0.00000	0.000
X(156)	0.00000	0.000	0.00000	0.000
X(157)	0.09280	119.787	0.09252	13.586
X(158)	0.00000	0.000	0.00000	0.000
X(159)	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000
X(162)	-0.11317	329.772	-0.11314	115.553
X(163)	0.00000	0.000	0.00000	0.000
X(164)	0.00000	0.000	0.00000	0.000
X(165)	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000
X(170)	-1.59450	812.565	-1.59429	288.468
X(171)	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000
X(179)	-0.01941	28.233	-0.01991	1.699
X(180)	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.01113	47.246	0.01108	8.661
X(189)	0.00000	0.000	0.00000	0.000

X(190)	-0.01041	21.069	-0.01070	1.562
X(191)	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000
X(199)	-0.00041	0.202	-0.00167	0.056
X(200)	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000

0 MULTIPLE R R-SQUARED MULTIPLE R R-SQUARED
1.00000 1.000 1.00000 1.000

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGE3 JUDGMENT	PREDICTION	ERROR
48	1	1.00000	0.99993	0.00007
4	6	1.00000	0.99998	0.00002
5	17	1.00000	1.00000	0.00000
43	7	-1.00000	-1.00000	0.00000
8	31	1.00000	1.00002	-0.00002
19	9	-2.00000	-1.99998	-0.00002
28	18	-1.00000	-0.99998	-0.00002
21	65	-1.00000	-0.99997	-0.00003
66	24	-1.00000	-0.99999	-0.00001
37	27	-1.00000	-1.00003	0.00003
30	36	-1.00000	-0.99998	-0.00002
56	35	-1.00000	-1.00000	-0.00000
40	5	-1.00000	-1.00004	0.00004
9	40	1.00000	0.99999	0.00001
43	57	1.00000	0.99998	0.00002
45	47	-1.00000	-1.00001	0.00001
46	35	-1.00000	-0.99999	-0.00001
50	61	-1.00000	-0.99998	-0.00002
51	37	-1.00000	-1.00000	0.00000
47	52	2.00000	2.00002	-0.00002
7	57	2.00000	1.99998	0.00002
60	36	-1.00000	-0.99998	-0.00002
27	63	1.00000	1.00000	-0.00000

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COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE4

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.12585	2.424	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.62994	0.397	0.74728	0.558	0.83046	0.690	0,87561	0.767	0.90781	0.824	

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.70460	2.187	0.80607	2.874
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	-0.14241	3.026	-0.15005	3.591	-0.13484	3.758	-0.13708	4.273	-0.11815	4.118	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.93090	0.867	0.94954	0.902	0.96627	0.934	0.97497	0.951	0.98285	0.966	

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.94494	3.380	0.98958	3.540	1.00713	3.495	0.97056	2.941	0.92212	2.044
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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x67)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x68)	0.05577	0.123	0.06433	0.129	0.05634	0.096	0.05962	0.081	0.063
x69)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x70)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x71)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x72)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x73)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x74)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x75)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x76)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x77)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x78)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x79)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x80)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x81)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x82)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x83)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x84)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x85)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x86)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x87)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x88)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x89)	-0.37866	0.943	-0.37465	0.860	-0.31071	0.753	-0.36369	0.665	0.507
x90)	0.00000	0.000	0.00000	0.000	0.04090	0.104	0.04465	0.096	0.529
x91)	0.44746	0.329	0.41784	0.661	0.46008	0.436	0.45465	0.636	0.529
x92)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x93)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x94)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x95)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x96)	-0.16918	0.314	-0.13386	0.193	-0.13189	0.173	-0.13074	0.092	0.192
x97)	0.00000	0.000	-0.10603	0.539	-0.10455	0.476	-0.10474	0.428	0.354
x98)	-0.11066	0.628	0.00000	0.000	0.00000	0.000	-0.00000	0.000	0.000
x99)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x100)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x101)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x102)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x103)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x104)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x105)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x106)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x107)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x108)	1.32248	3.116	1.32193	2.885	1.31481	2.452	1.31679	2.082	1.676
x109)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x110)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x111)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x112)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x113)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x114)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x115)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x116)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x117)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x118)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x119)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x120)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x121)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x122)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x123)	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	0.000
x124)	-1.66939	3.369	-1.67021	3.002	-1.66994	2.670	-1.67295	2.156	1.562
x125)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.00000	0.000	0.000
x126)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x127)	-1.41691	5.615	-1.42471	4.999	-1.42169	4.411	-1.42324	3.616	3.129
x128)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x129)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x130)									

X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	-0.14840	3.104	-0.14771	2.833	-0.14796	2.573	-0.14762	2.016	-0.14790	1.158	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.98800	0.976	0.98802	0.976	0.98802	0.976	0.98802	0.976	0.98802	0.976	

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.97423	0.797	0.97544	0.199
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000

X(45)	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000
X(49)	0.09000	0.970	0.77901	0.044
X(50)	0.00044	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000
X(53)	-0.32015	0.610	-0.31849	0.050
X(54)	0.09000	0.970	-0.07633	0.085
X(55)	-0.01902	0.654	-0.01752	0.003
X(56)	0.00000	0.000	0.00000	0.000
X(57)	0.00000	0.000	0.00000	0.000
X(58)	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000
X(60)	0.00000	0.000	0.00000	0.000
X(61)	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000
X(63)	0.00000	0.000	0.00000	0.000
X(64)	0.00000	0.000	0.00000	0.000
X(65)	0.00000	0.000	0.00000	0.000
X(66)	0.00000	0.000	0.00000	0.000
X(67)	0.00000	0.000	0.00000	0.000
X(68)	0.06110	0.049	0.06365	0.006
X(69)	0.00000	0.000	0.00000	0.000
X(70)	0.00000	0.000	0.00000	0.000
X(71)	0.00000	0.000	0.00000	0.000
X(72)	0.00000	0.000	0.00000	0.000
X(73)	0.00000	0.000	0.00000	0.000
X(74)	0.00000	0.000	0.00000	0.000
X(75)	0.00000	0.000	0.00000	0.000
X(76)	0.00000	0.000	0.00000	0.000
X(77)	0.00000	0.000	0.00000	0.000
X(78)	0.00000	0.000	0.00000	0.000
X(79)	0.00000	0.000	0.00000	0.000
X(80)	0.00000	0.000	0.00000	0.000
X(81)	0.00000	0.000	0.00000	0.000
X(82)	0.00000	0.000	0.00000	0.000
X(83)	0.00000	0.000	0.00000	0.000
X(84)	0.00000	0.000	0.00000	0.000
X(85)	0.00000	0.000	0.00000	0.000
X(86)	0.00000	0.000	0.00000	0.000
X(87)	0.00000	0.000	0.00000	0.000
X(88)	-0.36965	0.450	-0.37018	0.159
X(89)	-0.00000	0.000	-0.00000	0.000
X(90)	-0.45939	0.206	-0.46001	0.020
X(91)	0.00000	0.000	0.00000	0.000
X(92)	0.00000	0.000	0.00000	0.000
X(93)	0.00000	0.000	0.00000	0.000
X(94)	0.00000	0.000	0.00000	0.000
X(95)	0.00000	0.000	0.00000	0.000
X(96)	0.13093	0.106	0.13090	0.075
X(97)	-0.10496	0.258	-0.10483	0.140
X(98)	0.00000	0.000	0.00000	0.000
X(99)	0.00000	0.000	0.00000	0.000
X(100)	0.00000	0.000	0.00000	0.000
X(101)	0.00000	0.000	0.00000	0.000
X(102)	0.00000	0.000	0.00000	0.000
X(103)	0.00000	0.000	0.00000	0.000
X(104)	0.00000	0.000	0.00000	0.000
X(105)	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000
X(108)	1.31771	1.309	1.32056	0.121

X(109)	0.00000	0.000	0.00000	0.000
X(110)	0.00000	0.000	0.00000	0.000
X(111)	0.00000	0.000	0.00000	0.000
X(112)	0.00000	0.000	0.00000	0.000
X(113)	0.00000	0.000	0.00000	0.000
X(114)	0.00000	0.000	0.00000	0.000
X(115)	0.00000	0.000	0.00000	0.000
X(116)	0.00000	0.000	0.00000	0.000
X(117)	0.00000	0.000	0.00000	0.000
X(118)	0.00000	0.000	0.00000	0.000
X(119)	0.00782	0.012	0.00569	0.001
X(120)	0.00000	0.000	0.00000	0.000
X(121)	0.00000	0.000	0.00000	0.000
X(122)	0.00000	0.000	0.00000	0.000
X(123)	0.00000	0.000	0.00000	0.000
X(124)	-1.67464	-1.239	-1.67690	-1.191
X(125)	-0.00062	0.000	-0.00072	0.000
X(126)	0.00000	0.000	0.00000	0.000
X(127)	0.42306	1.604	0.42185	1.300
X(128)	-0.00000	-0.000	-0.00000	0.000
X(129)	-0.00000	-0.000	-0.00000	0.000
X(130)	-0.00000	-0.000	-0.00000	0.000
X(131)	0.46267	0.738	0.46311	0.245
X(132)	0.00000	0.000	0.00000	0.000
X(133)	0.00000	0.000	0.00000	0.000
X(134)	0.00000	0.000	0.00000	0.000
X(135)	0.00000	0.000	0.00000	0.000
X(136)	0.00000	0.000	0.00000	0.000
X(137)	0.00000	0.000	0.00000	0.000
X(138)	0.00000	0.000	0.00000	0.000
X(139)	0.00000	0.000	0.00000	0.000
X(140)	0.00000	0.000	0.00000	0.000
X(141)	0.00000	0.000	0.00000	0.000
X(142)	0.00000	0.000	0.00000	0.000
X(143)	0.00000	0.000	0.00000	0.000
X(144)	0.00000	0.000	0.00000	0.000
X(145)	0.00000	0.000	0.00000	0.000
X(146)	0.00000	0.000	0.00000	0.000
X(147)	0.00000	0.000	0.00000	0.000
X(148)	0.00000	0.000	0.00000	0.000
X(149)	0.00000	0.000	0.00000	0.000
X(150)	0.00000	0.000	0.00000	0.000
X(151)	0.00000	0.000	0.00000	0.000
X(152)	0.00000	0.000	0.00000	0.000
X(153)	0.00000	0.000	0.00000	0.000
X(154)	0.00000	0.000	0.00000	0.000
X(155)	0.01818	0.054	0.01896	0.006
X(156)	0.00000	0.000	0.00000	0.000
X(157)	0.00000	0.000	0.00000	0.000
X(158)	0.00000	0.000	0.00000	0.000
X(159)	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000
X(162)	0.00000	0.000	0.00000	0.000
X(163)	0.00000	0.000	0.00000	0.000
X(164)	0.00000	0.000	0.00000	0.000
X(165)	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000

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X(173)	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000
X(179)	0.00087	0.007	0.00042	0.000
X(180)	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000
X(185)	0.00441	0.036	0.00444	0.021
X(186)	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	-0.00096	0.000
X(190)	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000
X(192)	0.00085	0.001	-0.00030	0.000
X(193)	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000
X(198)	-0.14784	0.432	-0.14735	0.076
X(199)	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000
0 MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
0.98802	0.976	0.98802	0.976	

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGE4 JUDGMENT	PREDICTION	ERROR
48	1	1.00000	0.99996	0.00004
4	6	-2.00000	-2.00000	0.00000
5	17	-1.00000	-1.00004	0.00004
43	7	-2.00000	-1.33323	-0.66677
8	31	2.00000	2.00000	0.00000
19	9	-2.00000	-1.99996	-0.00004
28	18	-1.00000	-0.99994	-0.00006
21	65	-1.00000	-1.00003	0.00003
66	24	-1.00000	-0.99999	-0.00001
37	27	-1.00000	-1.00000	-0.00000
30	36	2.00000	2.00004	-0.00004
56	35	-2.00000	-2.00004	0.00004
40	5	2.00000	2.00003	-0.00003
9	40	-1.00000	-0.99997	-0.00003
43	57	2.00000	1.33341	0.66659
45	47	-1.00000	-1.00006	0.00006
46	35	-1.00000	-0.99998	-0.00002
50	61	-1.00000	-1.00008	0.00008
51	37	-1.00000	-0.99986	-0.00014

47	52	2.00000	1.99997	0.00003
7	57	2.00000	2.66664	-0.66664
60	36	-1.00000	-0.99993	-0.00007
27	63	2.00000	1.99994	0.00006

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGES

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.45962	0.211	0.63490	0.403	0.77090	0.594	0.89373	0.799	0.94710	0.897

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.37660	2.571	0.36793	3.071	0.47019	4.033	0.51475	5.020
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(158)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(159)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(162)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(163)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(164)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(165)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	-0.87367	3.120	-0.74450	3.002	-0.77717	3.828	-0.70585	3.835	-0.48914	2.670
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.96669	0.934	0.97655	0.954	0.98537	0.971	0.98914	0.978	0.99247	0.985

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(8)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(9)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(10)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(11)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(12)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(13)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(14)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(15)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(16)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(17)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(18)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(19)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(20)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(21)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(22)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(23)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(24)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(25)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(26)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(27)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(28)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(29)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(30)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(31)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(32)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(33)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(34)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(35)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(36)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(37)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(38)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(39)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(40)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(41)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(42)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(43)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(44)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(45)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(46)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(47)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(48)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(49)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(50)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(51)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(52)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(53)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(54)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(55)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(56)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(57)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(58)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(59)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(60)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(61)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(62)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(63)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(64)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(65)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(66)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(67)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(68)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(69)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(70)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(71)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000

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X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	-0.51987	3.105	-0.44643	2.833	-0.37480	2.266	-0.33539	1.884	-0.33645	1.831
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99425	0.989	0.99563	0.991	0.99619	0.992	0.99640	0.993	0.99659	0.993

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.44053	2.252	0.45377	1.994	0.45542	1.810	0.45741	1.508	0.45693	1.267
X(18)	-0.18872	0.894	-0.18123	0.779	-0.17945	0.697	-0.18192	0.567	-0.18222	0.487
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01285	0.018	-0.01301	0.015
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.11183	0.711	0.10908	0.640	0.10980	0.586	0.10761	0.442	0.10797	0.373
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.00033	0.005
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	-0.59794	2.606	-0.58493	2.239	-0.58248	2.004	-0.58564	1.576	-0.58542	1.359	-0.58542	1.359
X(53)	1.03822	7.338	1.03575	6.755	1.03511	6.144	1.03812	4.072	1.03846	3.452	1.03846	3.452
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(57)	-0.28340	9.686	-0.28222	8.696	-0.28170	7.586	-0.28136	6.123	-0.28127	5.049	-0.28127	5.049
X(58)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(60)	0.01292	0.104	0.02330	0.156	0.02577	0.150	0.02868	0.113	0.02842	0.096	0.02842	0.096
X(61)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(63)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(64)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(65)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(66)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(67)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(68)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(69)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(70)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(71)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(72)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(73)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(74)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(75)	-0.99441	11.614	-0.99496	10.772	-0.99372	9.512	-0.99538	6.608	-0.99526	5.676	-0.99526	5.676
X(76)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(77)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(78)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(79)	0.16850	1.340	0.17771	1.200	0.17396	0.965	0.17912	0.503	0.17902	0.435	0.17902	0.435
X(80)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(81)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(82)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(83)	0.00000	0.000	0.00000	0.000	0.00195	0.048	0.00172	0.036	0.00170	0.031	0.00170	0.031
X(84)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(85)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(86)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(87)	-1.15178	9.569	-1.15279	8.874	-1.15478	7.787	-1.15758	5.029	-1.15759	4.355	-1.15759	4.355
X(88)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(89)	-0.62507	3.650	-0.61937	3.290	-0.62073	2.982	-0.62128	2.646	-0.62113	2.280	-0.62113	2.280
X(90)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(91)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(92)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(93)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(94)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(95)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(96)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(97)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(98)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(99)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(100)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(101)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(102)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(103)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(104)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(105)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(108)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(109)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(110)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(111)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(112)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(113)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	-0.32359	1.631	-0.31096	1.359	-0.31088	1.240	-0.30494	0.693	-0.30508	0.600	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.99665	0.993	0.99666	0.993	0.99666	0.993	0.99666	0.993	0.99666	0.993	

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.45572	0.269	0.41659	0.016
X(18)	-0.18297	0.164	-0.20389	0.015
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	-0.01299	0.013	-0.00676	0.002
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.10889	0.084	0.14009	0.007

X(28)	0.00000	0.000	0.00000	0.000
X(29)	-0.00058	0.002	-0.00906	0.002
X(30)	-0.00000	0.000	-0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000
X(37)	-0.00135	0.001	-0.04679	0.002
X(38)	-0.00000	0.000	-0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000
X(52)	-0.58379	0.291	-0.53743	0.816
X(53)	-1.03843	2.807	-1.03039	2.713
X(54)	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000
X(57)	-0.28104	0.916	-0.27350	0.056
X(58)	-0.00000	0.000	-0.00000	0.000
X(59)	0.00900	0.000	0.00900	0.000
X(60)	0.02783	0.032	0.00465	0.000
X(61)	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000
X(63)	0.00000	0.000	0.00000	0.000
X(64)	0.00000	0.000	0.00000	0.000
X(65)	0.00000	0.000	0.00000	0.000
X(66)	0.00000	0.000	0.00000	0.000
X(67)	0.00000	0.000	0.00000	0.000
X(68)	0.00000	0.000	0.00000	0.000
X(69)	0.00000	0.000	0.00000	0.000
X(70)	0.00000	0.000	0.00000	0.000
X(71)	0.00000	0.000	0.00000	0.000
X(72)	0.00000	0.000	0.00000	0.000
X(73)	0.00000	0.000	0.00000	0.000
X(74)	-0.99580	0.325	-1.01248	0.694
X(75)	-0.00000	0.000	-0.00000	0.000
X(76)	0.00000	0.000	0.00000	0.000
X(77)	0.00000	0.000	0.00900	0.000
X(78)	0.17822	0.150	0.14093	0.008
X(79)	0.00000	0.000	0.00000	0.000
X(80)	0.00000	0.000	0.00000	0.000
X(81)	0.00000	0.000	0.00000	0.000
X(82)	0.00217	0.003	0.01902	0.002
X(83)	0.00000	0.000	0.00000	0.000
X(84)	0.00000	0.000	0.00000	0.000
X(85)	0.19000	0.081	0.17970	0.084
X(86)	-1.00004	1.881	-1.00000	0.000
X(87)	-0.62078	1.073	-0.61146	0.101
X(88)	0.00000	0.000	0.00000	0.000
X(89)	0.00000	0.000	0.00000	0.000
X(90)	0.00000	0.000	0.00000	0.000
X(91)	0.00000	0.000	0.00000	0.000

X(156)	0.00000	0.000	0.00000	0.000
X(157)	0.00000	0.000	0.00000	0.000
X(158)	0.00000	0.000	0.00000	0.000
X(159)	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000
X(162)	-0.00706	0.024	0.00054	0.000
X(163)	0.00000	0.000	0.00000	0.000
X(164)	0.00000	0.000	0.00000	0.000
X(165)	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00536	0.002
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	-0.30566	0.307	-0.33240	0.019
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000

0 MULTIPLE R R-SQUARED MULTIPLE R R-SQUARED
0.99666 0.993 0.99666 0.993

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGES JUDGMENT	PREDICTION	ERROR
48	1	1.00000	1.00005	-0.00005
4	6	-2.00000	-2.00012	0.00012

5	17	1.00000	1.00003	-0.00003
43	7	1.00000	0.66660	0.33340
8	31	2.00000	2.00016	-0.00016
19	9	-2.00000	-1.99999	-0.00001
28	18	-1.00000	-1.00006	0.00006
21	65	1.00000	1.00013	-0.00013
66	24	-2.00000	-2.00000	-0.00000
37	27	1.00000	0.99974	0.00026
30	36	-2.00000	-2.00000	-0.00000
56	35	-1.00000	-1.00003	0.00003
40	5	1.00000	1.00018	-0.00018
9	40	-1.00000	-0.99989	-0.00011
43	57	2.00000	2.33339	-0.33339
45	47	-1.00000	-0.99987	-0.00013
46	35	-2.00000	-1.99983	-0.00017
50	61	-2.00000	-1.99958	-0.00042
51	37	-1.00000	-1.00029	0.00029
47	52	-1.00000	-1.00000	-0.00000
7	57	2.00000	1.66679	0.33321
60	36	-1.00000	-1.00008	0.00008
27	63	1.00000	0.99980	0.00020

1PAGE 18 8MOP9M NAVY ORAL HEALTH STATUS INDEX

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE6

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(183)	0.07211	7.018	0.07098	6.616	0.07416	5.377	0.07512	4.978	0.07565	4.647
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	-1.03232	6.280	-0.99287	5.474	-0.93750	3.979	-0.94981	3.748	-0.95646	3.527
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98728	0.975	0.98768	0.976	0.98787	0.976	0.98794	0.976	0.98799	0.976

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(161)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(162)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(163)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(164)	0.02439	0.230	0.02468	0.215	0.02498	0.198	0.02625	0.113	0.02601	0.062	
X(165)	-0.09435	1.425	-0.09401	1.308	-0.09216	0.848	-0.09190	0.723	-0.09217	0.243	
X(166)	-0.09203	1.141	-0.09273	1.049	-0.09339	0.930	-0.09358	0.808	-0.09348	0.492	
X(167)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(168)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(170)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(172)	-0.04890	0.193	-0.04649	0.167	-0.04849	0.154	-0.04950	0.130	-0.04894	0.057	
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(178)	-1.50987	3.548	-1.49998	2.967	-1.49652	2.620	-1.49731	2.308	-1.49718	1.952	
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(183)	0.07497	4.148	0.07495	3.839	0.07508	3.415	0.07540	1.444	0.07532	0.668	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00155	0.007	0.00139	0.004	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	-0.97174	3.128	-0.97337	2.886	-0.96750	2.202	-0.96553	1.699	-0.96586	1.225	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.98802	0.976	0.98802	0.976	0.98802	0.976	0.98802	0.976	0.98802	0.976	

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000

X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000
X(57)	-0.38260	-1.575	-0.38195	0.131
X(58)	-0.04939	-0.006	-0.00906	0.047
X(59)	-0.00076	-0.742	-0.42166	0.047
X(60)	0.00000	0.000	0.00000	0.000
X(61)	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000
X(63)	0.00000	0.000	0.00000	0.000
X(64)	0.00000	0.000	0.00000	0.000
X(65)	0.00000	0.000	0.00000	0.000
X(66)	0.00046	0.000	0.00568	0.000
X(67)	0.00046	0.000	0.00000	0.000
X(68)	0.00000	0.000	0.00000	0.000
X(69)	0.00000	0.000	0.00000	0.000
X(70)	0.00000	0.000	0.00000	0.000
X(71)	0.00000	0.000	0.00000	0.000
X(72)	0.00000	0.000	0.00000	0.000
X(73)	0.00000	0.000	0.00000	0.000
X(74)	0.00000	0.000	0.00000	0.000

x(75)	0.00000	0.000	0.00000	0.000
x(76)	0.00000	0.000	0.00000	0.000
x(77)	0.00000	0.000	0.00000	0.000
x(78)	0.13250	0.047	0.13994	0.004
x(79)	0.00000	0.000	0.00000	0.000
x(80)	0.00000	0.000	0.00000	0.000
x(81)	0.00000	0.000	0.00000	0.000
x(82)	0.00000	0.000	0.00000	0.000
x(83)	0.00000	0.000	0.00000	0.000
x(84)	0.00000	0.000	0.00000	0.000
x(85)	0.00000	0.000	0.00000	0.000
x(86)	0.00000	0.000	0.00000	0.000
x(87)	-0.46660	0.145	-0.47491	0.013
x(88)	0.00000	0.000	0.00000	0.000
x(89)	0.00000	0.000	0.00190	0.000
x(90)	0.00000	0.000	0.00000	0.000
x(91)	0.00000	0.000	0.00000	0.000
x(92)	0.00000	0.000	0.00000	0.000
x(93)	0.00000	0.000	0.00000	0.000
x(94)	0.00000	0.000	0.00000	0.000
x(95)	0.00000	0.000	0.00000	0.000
x(96)	0.00000	0.000	0.00000	0.000
x(97)	0.00000	0.000	0.00000	0.000
x(98)	0.00000	0.000	0.00000	0.000
x(99)	0.00000	0.000	0.00000	0.000
x(100)	0.00000	0.000	0.00000	0.000
x(101)	0.00000	0.000	0.00000	0.000
x(102)	0.00000	0.000	0.00000	0.000
x(103)	0.00000	0.000	0.00000	0.000
x(104)	0.00000	0.000	0.00000	0.000
x(105)	0.00000	0.000	0.00000	0.000
x(106)	0.00000	0.000	0.00000	0.000
x(107)	0.00000	0.000	0.00000	0.000
x(108)	0.00000	0.000	0.00000	0.000
x(109)	0.00000	0.000	0.00000	0.000
x(110)	0.00000	0.000	0.00000	0.000
x(111)	-0.59766	0.177	-0.58880	0.015
x(112)	0.00000	0.000	0.00000	0.000
x(113)	0.00000	0.000	0.00000	0.000
x(114)	0.00000	0.000	0.00000	0.000
x(115)	0.00000	0.000	0.00000	0.000
x(116)	0.00000	0.000	0.00000	0.000
x(117)	0.00000	0.000	0.00000	0.000
x(118)	0.00000	0.000	0.00000	0.000
x(119)	0.00000	0.000	0.00000	0.000
x(120)	0.00000	0.000	0.00000	0.000
x(121)	0.00000	0.000	0.00000	0.000
x(122)	0.00000	0.000	0.00000	0.000
x(123)	0.00000	0.000	0.00000	0.000
x(124)	0.00000	0.000	0.00000	0.000
x(125)	0.00000	0.000	0.00000	0.000
x(126)	-0.04775	0.005	-0.07255	0.001
x(127)	0.00000	0.000	0.00000	0.000
x(128)	0.00000	0.000	0.00000	0.000
x(129)	0.00000	0.000	0.00000	0.000
x(130)	0.00000	0.000	0.00000	0.000
x(131)	0.00000	0.000	0.00000	0.000
x(132)	0.00000	0.000	0.00000	0.000
x(133)	0.00000	0.000	0.00000	0.000
x(134)	0.00000	0.000	0.00000	0.000
x(135)	0.00000	0.000	0.00000	0.000
x(136)	0.00000	0.000	0.00000	0.000
x(137)	0.00000	0.000	0.00000	0.000
x(138)	0.00000	0.000	0.00000	0.000

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X(139)	0.00000	0.000	0.00000	0.000
X(140)	0.00000	0.000	0.00000	0.000
X(141)	0.00000	0.000	0.00000	0.000
X(142)	0.00000	0.000	0.00000	0.000
X(143)	0.00000	0.000	0.00000	0.000
X(144)	0.00000	0.000	0.00000	0.000
X(145)	0.00000	0.000	0.00000	0.000
X(146)	-0.01910	0.002	0.00174	0.000
X(147)	0.70596	0.549	0.70952	0.044
X(148)	0.00000	0.000	0.00000	0.000
X(149)	0.02236	0.047	0.02352	0.004
X(150)	0.00000	0.000	0.00000	0.000
X(151)	0.00000	0.000	0.00000	0.000
X(152)	0.00000	0.000	0.00000	0.000
X(153)	0.00000	0.000	0.00000	0.000
X(154)	0.00000	0.000	0.00000	0.000
X(155)	0.00000	0.000	0.00000	0.000
X(156)	0.00000	0.000	0.00000	0.000
X(157)	0.03081	0.033	0.03282	0.004
X(158)	-0.00249	0.029	-0.00239	0.005
X(159)	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000
X(162)	0.00000	0.000	0.00000	0.000
X(163)	0.00000	0.000	0.00000	0.000
X(164)	0.02571	0.017	0.02149	0.001
X(165)	-0.09253	0.053	-0.09706	0.005
X(166)	-0.09332	0.117	-0.09171	0.013
X(167)	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000
X(172)	-0.04822	0.014	-0.03753	0.001
X(173)	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000
X(178)	-1.49688	0.884	-1.49111	0.057
X(179)	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000
X(183)	0.07522	0.152	0.07388	0.012
X(184)	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000
X(191)	0.00113	0.001	-0.00215	0.000
X(192)	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000
X(200)	-0.96618	0.547	-0.97045	0.050
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000

X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000

MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
0.98802	0.976	0.98802	0.976

PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGE6 JUDGMENT	PREDICTION	ERROR
48	1	1.00000	0.99997	0.00003
4	6	1.00000	1.00001	-0.00001
5	17	-1.00000	-0.99996	-0.00004
43	7	2.00000	1.33332	0.66668
8	31	2.00000	2.00004	-0.00004
19	9	-2.00000	-1.99994	-0.00006
28	18	-2.00000	-2.00006	0.00006
21	65	-1.00000	-1.00006	0.00006
66	24	-2.00000	-1.99999	-0.00001
37	27	1.00000	0.99992	0.00008
30	36	1.00000	1.00000	0.00000
56	35	-2.00000	-2.00003	0.00003
40	5	1.00000	1.00003	-0.00003
9	40	2.00000	2.00002	-0.00002
43	57	2.00000	2.66661	-0.66661
45	47	-1.00000	-1.00000	0.00000
46	35	-2.00000	-2.00002	0.00002
50	61	1.00000	0.99998	0.00002
51	37	-1.00000	-1.00005	0.00005
47	52	2.00000	1.99993	0.00007
7	57	2.00000	1.33329	0.66671
60	36	1.00000	1.00000	0.00000
27	63	1.00000	0.99995	0.00005

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE7

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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	0.69728	0.486	0.84159	0.708	0.88759	0.788	0.92197	0.850	0.95045	0.903
	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000.	0.00000	0.000	0.00000	0.000	0.43477	1.627
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.64163	3.906	0.68157	6.730	0.65798	7.683	0.67281	8.508	0.71960	8.979
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(57)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(58)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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x38	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x39	0.38999	1.433	0.60220	1.798	0.63458	1.801	1.749
x40	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x41	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x42	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x43	0.69336	8.471	0.78599	4.684	0.84418	4.370	4.706
x44	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x45	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x46	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x47	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x48	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x49	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x50	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x51	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x52	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x53	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x54	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x55	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x56	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x57	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x58	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x59	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x60	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x61	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x62	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x63	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x64	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x65	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x66	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x67	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x68	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x69	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x70	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x71	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x72	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x73	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x74	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x75	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x76	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x77	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x78	0.19049	2.369	0.17924	2.263	0.15883	1.909	1.909
x79	-0.28387	12.630	-0.27739	11.731	-0.25955	-6.966	-6.966
x80	-0.00000	0.000	-0.00000	-0.000	-0.00000	0.000	0.000
x81	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x82	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x83	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x84	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x85	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x86	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x87	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x88	-0.09827	3.689	-0.09819	3.666	-0.11591	2.926	2.926
x89	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	0.000
x90	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x91	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x92	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x93	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x94	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x95	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x96	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x97	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x98	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x99	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x100	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
x101	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000

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X(144)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(145)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(146)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(147)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(148)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(149)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(150)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(151)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(152)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(153)	0.01278	0.220	0.01072	0.167	0.00937	0.127	0.01034	0.107	0.00999	0.054
X(154)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(155)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(156)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(157)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(158)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(159)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(162)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(163)	0.03283	6.284	0.03244	5.265	0.03281	3.630	0.03279	3.239	0.03281	2.244
X(164)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(165)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	-0.01395	0.154	-0.01152	0.108	-0.01138	0.095	-0.01142	0.082
X(167)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	-0.03565	0.395	-0.04212	0.398	-0.04350	0.368	-0.04334	0.327	-0.04283	0.163
X(183)	0.08442	3.770	0.08420	3.482	0.08437	3.170	0.08471	2.440	0.08459	1.327
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00182	0.019	0.00179	0.016
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00050	0.002
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	-0.68870	2.631	-0.66762	2.130	-0.66642	1.938	-0.67030	1.541	-0.67244	0.661
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99716	0.994	0.99717	0.994	0.99717	0.994	0.99717	0.994	0.99717	0.994	0.99717	0.994

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00004	0.001
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.72042	0.359	0.72397	0.123
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	0.77188	0.157	0.77865	0.064
X(44)	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000
X(57)	0.00000	0.000	0.00000	0.000

X(58)	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000
X(60)	0.00000	0.000	0.00000	0.000
X(61)	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000
X(63)	0.00000	0.000	0.00000	0.000
X(64)	0.00000	0.000	0.00000	0.000
X(65)	0.00000	0.000	0.00000	0.000
X(66)	0.00000	0.000	0.00000	0.000
X(67)	0.00000	0.000	0.00000	0.000
X(68)	0.00000	0.000	0.00000	0.000
X(69)	0.00000	0.000	0.00000	0.000
X(70)	0.00000	0.000	0.00000	0.000
X(71)	0.00000	0.000	0.00000	0.000
X(72)	0.00000	0.000	0.00000	0.000
X(73)	0.00000	0.000	0.00000	0.000
X(74)	0.00000	0.000	0.00000	0.000
X(75)	0.00000	0.000	0.00000	0.000
X(76)	0.00000	0.000	0.00000	0.000
X(77)	0.00000	0.000	0.00000	0.000
X(78)	0.00000	0.000	0.16545	0.119
X(79)	-0.25041	0.292	-0.24971	0.202
X(80)	-0.00000	0.506	-0.00000	0.000
X(81)	-0.00000	0.000	-0.00000	0.000
X(82)	-0.00000	0.000	-0.00000	0.000
X(83)	0.00000	0.000	0.00000	0.000
X(84)	0.00000	0.000	0.00000	0.000
X(85)	0.00000	0.000	0.00000	0.000
X(86)	0.00000	0.000	0.00000	0.000
X(87)	-0.12084	0.074	-0.11889	0.033
X(88)	-0.00000	0.000	-0.00000	0.000
X(89)	0.00000	0.000	0.00000	0.000
X(90)	0.00000	0.000	0.00000	0.000
X(91)	0.00000	0.000	0.00000	0.000
X(92)	0.00000	0.000	0.00000	0.000
X(93)	-0.12371	0.119	-0.12291	0.065
X(94)	-0.00000	0.000	-0.00000	0.000
X(95)	0.00000	0.000	0.00000	0.000
X(96)	0.00000	0.000	0.00000	0.000
X(97)	0.00000	0.000	0.00000	0.000
X(98)	0.00000	0.000	0.00000	0.000
X(99)	0.00000	0.000	0.00000	0.000
X(100)	0.00000	0.000	0.00000	0.000
X(101)	0.00000	0.000	0.00000	0.000
X(102)	0.00000	0.000	0.00000	0.000
X(103)	0.00000	0.000	0.00000	0.000
X(104)	0.00000	0.000	0.00000	0.000
X(105)	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000
X(108)	0.00000	0.000	0.00000	0.000
X(109)	0.00000	0.000	0.00000	0.000
X(110)	0.00360	0.007	0.00419	0.004
X(111)	0.00000	0.000	0.00000	0.000
X(112)	0.00000	0.000	0.00000	0.000
X(113)	0.00000	0.000	0.00000	0.000
X(114)	0.00000	0.000	0.00000	0.000
X(115)	0.00000	0.000	0.00000	0.000
X(116)	0.00000	0.000	0.00000	0.000
X(117)	0.00000	0.000	0.00000	0.000
X(118)	0.00000	0.000	0.00000	0.000
X(119)	-0.00000	0.000	-0.00000	0.000
X(120)	-0.52341	0.267	-0.53219	0.108
X(121)	-0.00000	0.000	-0.00000	0.000

X(122)	0.00000	0.000	0.00000	0.000	
X(123)	0.00000	0.000	0.00000	0.000	
X(124)	0.00000	0.000	0.00000	0.000	
X(125)	0.18593	0.103	0.18405	0.049	
X(126)	0.00000	0.000	0.00000	0.000	
X(127)	-1.11446	-1.783	-1.11392	-0.342	
X(128)	0.01090	0.049	0.14238	0.015	
X(129)	-0.01006	0.000	-0.00000	0.000	
X(130)	0.00000	0.000	0.00000	0.000	
X(131)	0.00000	0.000	0.00000	0.000	
X(132)	0.00000	0.000	0.00000	0.000	
X(133)	0.00000	0.000	0.00000	0.000	
X(134)	0.50116	0.064	0.51155	0.027	
X(135)	0.00000	0.000	0.00000	0.000	
X(136)	0.00000	0.000	0.00000	0.000	
X(137)	0.00000	0.000	0.00000	0.000	
X(138)	0.00000	0.000	0.00000	0.000	
X(139)	0.00000	0.000	0.00000	0.000	
X(140)	0.00000	0.000	0.00000	0.000	
X(141)	0.00000	0.000	0.00000	0.000	
X(142)	0.00000	0.000	0.00000	0.000	
X(143)	0.00000	0.000	0.00000	0.000	
X(144)	0.00000	0.000	0.00000	0.000	
X(145)	0.00000	0.000	0.00000	0.000	
X(146)	0.00000	0.000	0.00000	0.000	
X(147)	0.00000	0.000	0.00000	0.000	
X(148)	0.00000	0.000	0.00000	0.000	
X(149)	0.00010	0.001	0.00795	0.001	
X(150)	0.00000	0.000	0.00006	0.000	
X(151)	0.00000	0.000	0.00000	0.000	
X(152)	0.00766	0.005	0.00583	0.002	
X(153)	0.00000	0.000	0.00000	0.000	
X(154)	0.00000	0.000	0.00000	0.000	
X(155)	0.00000	0.000	0.00000	0.000	
X(156)	0.00000	0.000	0.00000	0.000	
X(157)	0.00000	0.000	0.00000	0.000	
X(158)	0.00000	0.000	0.00000	0.000	
X(159)	0.00000	0.000	0.00000	0.000	
X(160)	0.00000	0.000	0.00000	0.000	
X(161)	0.00990	0.794	0.03271	0.339	
X(162)	0.00376	0.060	0.00000	0.006	
X(163)	0.00606	0.000	0.00000	0.000	
X(164)	0.00000	0.058	-0.01153	0.040	
X(165)	-0.01157	0.000	-0.00000	0.000	
X(166)	0.00000	0.000	0.00000	0.000	
X(167)	0.00000	0.000	0.00000	0.000	
X(168)	0.00000	0.000	0.00000	0.000	
X(169)	0.00000	0.000	0.00000	0.000	
X(170)	0.00000	0.000	0.00000	0.000	
X(171)	0.00000	0.000	0.00000	0.000	
X(172)	0.00000	0.000	0.00000	0.000	
X(173)	0.00000	0.000	0.00000	0.000	
X(174)	0.00000	0.000	0.00000	0.000	
X(175)	0.00000	0.000	0.00000	0.000	
X(176)	0.00000	0.000	0.00000	0.000	
X(177)	0.00000	0.000	0.00000	0.000	
X(178)	0.00000	0.000	0.00000	0.000	
X(179)	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	
X(181)	-0.04936	0.123	-0.04311	0.019	
X(182)	0.08078	0.149	0.00314	0.048	
X(183)	0.00000	0.000	0.00000	0.000	
X(184)	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	

X(186)	-0.00001	0.000	-0.00148	0.001
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000
X(190)	0.00144	0.002	0.00207	0.002
X(191)	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	-0.66991	0.313	-0.66618	0.107
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000

0

MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
0.99717	0.994	0.99717	0.994

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGET JUDGMENT	PREDICTION	ERROR
48	1	2.00000	1.99990	0.00010
4	6	1.00000	0.99992	0.00008
5	17	-1.00000	-0.99991	-0.00009
43	7	-1.00000	-0.66661	-0.33339
8	31	2.00000	2.00005	-0.00005
19	9	-2.00000	-2.00008	0.00008
28	18	-1.00000	-1.00006	0.00006
21	65	1.00000	0.99992	0.00008
66	24	-1.00000	-1.00000	0.00000
37	27	2.00000	1.99983	0.00017
30	36	2.00000	1.99998	0.00002
56	35	-2.00000	-2.00001	0.00001
40	5	-1.00000	-1.00024	0.00024
9	40	1.00000	0.99975	0.00025
43	57	2.00000	1.66672	0.33328
45	47	-1.00000	-0.99990	-0.00010
46	35	-1.00000	-0.99999	-0.00001
50	61	-2.00000	-1.99998	-0.00002
51	37	-2.00000	-2.00007	0.00007
47	52	2.00000	2.00001	-0.00001
7	57	2.00000	2.33333	-0.33333
60	36	-2.00000	-2.00000	-0.00000
27	63	-1.00000	-1.00004	0.00004

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COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGEB

STEP NUMBER 1	STEP NUMBER 2	STEP NUMBER 3	STEP NUMBER 4	STEP NUMBER 5

	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-1.09556	3.030
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(57)	-0.36923	3.325	-0.45895	4.870	-0.44353	5.512	-0.47509	7.131	-0.37742	5.865
X(58)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(60)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(61)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(63)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(64)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	-0.77758	3.471	-0.71874	3.745	-0.75817	4.807	-0.78497	5.940
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.57827	0.334	0.75963	0.577	0.84113	0.708	0.90191	0.813	0.93620	0.876

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.48893	2.588	0.50154	3.244	0.53978	3.919	0.50850	4.221
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	-1.22069	3.976	-1.11830	4.163	-1.10021	5.005	-1.27196	6.100	-1.28086	7.065
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	-0.29991	2.909	-0.30310	3.397	-0.28934	3.956	-0.26823	4.105	-0.22695	3.817	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	-0.70948	6.218	-0.81312	7.631	-0.79084	9.039	-0.80908	10.402	-0.79743	11.763	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.95787	0.918	0.97049	0.942	0.98159	0.964	0.98660	0.973	0.99062	0.981	

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.57629	4.149	0.57405	3.791	0.57780	3.063	0.58020	2.189	0.58032	1.861
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	-1.36528	8.971	-1.36243	8.185	-1.36751	6.233	-1.37009	4.576	-1.37053	3.285
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(57)	-0.36985	11.201	-0.37170	9.351	-0.37225	8.175	-0.37335	4.181	-0.37348	2.995
X(58)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(60)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(61)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	-0.15081	2.334	-0.15139	2.164	-0.14937	1.646	-0.14207	0.286	-0.14069	0.152	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	-0.90054	9.514	-0.90163	8.781	-0.90653	5.571	-0.91125	2.506	-0.91186	1.727	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.99684	0.994	0.99685	0.994	0.99685	0.994	0.99685	0.994	0.99685	0.994	

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	-0.00017	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00118	0.001	0.00167	0.001
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.58055	1.187	0.58076	0.629
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000
X(37)	-1.37111	1.495	-1.37146	0.824
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000

x(41)	0.00000	0.000	0.00000	0.000
x(42)	0.00000	0.000	0.00000	0.000
x(43)	0.00000	0.000	0.00000	0.000
x(44)	0.00000	0.000	0.00000	0.000
x(45)	0.00000	0.000	0.00000	0.000
x(46)	0.00000	0.000	0.00000	0.000
x(47)	0.00000	0.000	0.00000	0.000
x(48)	0.00000	0.000	0.00000	0.000
x(49)	0.00000	0.000	0.00000	0.000
x(50)	0.00000	0.000	0.00000	0.000
x(51)	0.00000	0.000	0.00000	0.000
x(52)	0.00000	0.000	0.00000	0.000
x(53)	0.00000	0.000	0.00000	0.000
x(54)	0.00000	0.000	0.00000	0.000
x(55)	0.00000	0.000	0.00000	0.000
x(56)	0.00000	0.000	0.00000	0.000
x(57)	-0.37378	0.882	-0.37397	0.468
x(58)	0.00000	0.000	0.00000	0.000
x(59)	0.00000	0.000	0.00000	0.000
x(60)	0.00000	0.000	0.00000	0.000
x(61)	0.00000	0.000	0.00000	0.000
x(62)	0.00000	0.000	0.00000	0.000
x(63)	0.00000	0.000	0.00000	0.000
x(64)	0.00000	0.000	0.00000	0.000
x(65)	0.00000	0.000	0.00000	0.000
x(66)	0.00000	0.000	0.00000	0.000
x(67)	0.00000	0.000	0.00000	0.000
x(68)	0.00000	0.000	0.00000	0.000
x(69)	0.00000	0.000	0.00000	0.000
x(70)	0.00000	0.000	0.00000	0.000
x(71)	0.00000	0.000	0.00000	0.000
x(72)	0.00000	0.000	0.00000	0.000
x(73)	0.00000	0.000	0.00000	0.000
x(74)	0.00000	0.000	0.00000	0.000
x(75)	0.00000	0.000	0.00000	0.000
x(76)	0.00000	0.000	0.00000	0.000
x(77)	0.00000	0.000	0.00000	0.000
x(78)	0.00000	0.000	0.00000	0.000
x(79)	0.00000	0.000	0.00000	0.000
x(80)	0.00000	0.000	0.00000	0.000
x(81)	0.00000	0.000	0.00000	0.000
x(82)	0.00000	0.000	0.00000	0.000
x(83)	0.00000	0.000	0.00000	0.000
x(84)	0.00000	0.000	0.00000	0.000
x(85)	0.00000	0.000	0.00000	0.000
x(86)	0.00000	0.000	0.00000	0.000
x(87)	0.00000	0.000	0.00000	0.000
x(88)	0.00000	0.000	0.00000	0.000
x(89)	0.00000	0.000	0.00000	0.000
x(90)	0.00000	0.000	0.00000	0.000
x(91)	0.00000	0.000	0.00000	0.000
x(92)	0.00000	0.000	0.00000	0.000
x(93)	0.00000	0.000	0.00000	0.000
x(94)	-0.03559	0.013	-0.03464	0.007
x(95)	-0.05127	0.010	-0.04955	0.006
x(96)	0.00000	0.000	0.00000	0.000
x(97)	-0.67447	0.741	-0.67448	0.524
x(98)	-0.00552	0.001	-0.00745	0.001
x(99)	0.00000	0.000	0.00000	0.000
x(100)	0.00000	0.000	0.00000	0.000
x(101)	0.00000	0.000	0.00000	0.000
x(102)	0.00000	0.000	0.00000	0.000
x(103)	0.00000	0.000	0.00000	0.000
x(104)	0.00000	0.000	0.00000	0.000

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X(105)	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000
X(108)	0.00000	0.000	0.00000	0.000
X(109)	0.00948	0.005	0.01030	0.003
X(110)	0.00000	0.000	0.00000	0.000
X(111)	0.00000	0.000	0.00000	0.000
X(112)	0.00000	0.000	0.00000	0.000
X(113)	-0.00852	0.047	-0.00860	0.025
X(114)	0.00000	0.000	0.00000	0.000
X(115)	0.00000	0.000	0.00000	0.000
X(116)	0.00000	0.000	0.00000	0.000
X(117)	0.00000	0.000	0.00000	0.000
X(118)	0.00000	0.000	0.00000	0.000
X(119)	0.00000	0.000	0.00000	0.000
X(120)	0.00000	0.000	0.00000	0.000
X(121)	0.00000	0.000	0.00000	0.000
X(122)	0.00000	0.000	0.00000	0.000
X(123)	0.31140	0.712	0.31121	0.379
X(124)	-0.37238	0.124	-0.37360	0.067
X(125)	0.00000	0.000	0.00000	0.000
X(126)	0.00000	0.000	0.00000	0.000
X(127)	0.00000	0.000	0.00000	0.000
X(128)	0.00000	0.000	0.00000	0.000
X(129)	0.00000	0.000	0.00000	0.000
X(130)	0.36129	0.138	0.36222	0.079
X(131)	0.00000	0.000	0.00000	0.000
X(132)	0.00000	0.000	0.00000	0.000
X(133)	0.00000	0.000	0.00000	0.000
X(134)	0.00000	0.000	0.00000	0.000
X(135)	0.00000	0.000	0.00000	0.000
X(136)	0.00000	0.000	0.00000	0.000
X(137)	0.00000	0.000	0.00000	0.000
X(138)	0.00000	0.000	0.00000	0.000
X(139)	0.00000	0.000	0.00000	0.000
X(140)	0.00000	0.000	0.00000	0.000
X(141)	0.00000	0.000	0.00000	0.000
X(142)	0.00000	0.000	0.00000	0.000
X(143)	0.00000	0.000	0.00000	0.000
X(144)	0.00000	0.000	0.00000	0.000
X(145)	-0.18175	0.094	-0.18098	0.051
X(146)	0.00000	0.000	0.00000	0.000
X(147)	0.00000	0.000	0.00000	0.000
X(148)	0.00000	0.000	0.00000	0.000
X(149)	0.00000	0.000	0.00000	0.000
X(150)	-0.10598	0.029	-0.10739	0.016
X(151)	0.00000	0.000	0.00000	0.000
X(152)	0.00000	0.000	0.00000	0.000
X(153)	0.00000	0.000	0.00000	0.000
X(154)	-0.38990	0.149	-0.38891	0.083
X(155)	0.00000	0.000	0.00000	0.000
X(156)	0.24819	0.130	0.24748	0.073
X(157)	0.00000	0.000	0.00000	0.000
X(158)	0.00000	0.000	0.00000	0.000
X(159)	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000.
X(162)	0.00000	0.000	0.00000	0.000
X(163)	0.00000	0.000	0.00000	0.000
X(164)	0.00000	0.000	0.00000	0.000
X(165)	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000

X(169)	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000
X(178)	-0.06882	0.004	-0.07602	0.002
X(179)	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000
X(182)	0.00434	0.003	0.00501	0.002
X(183)	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000
X(192)	-0.13773	0.034	-0.13606	0.018
X(193)	0.00000	0.000	0.00000	0.000
X(194)	-0.91277	0.668	-0.91339	0.345
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99685	0.994	0.99685	0.994

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGES JUDGMENT	PREDICTION	ERROR
48	1	-1.00000	-1.00000	0.00000
4	6	2.00000	2.00002	-0.00002
5	17	1.00000	0.99998	0.00002
43	7	1.00000	0.66667	0.33333
8	31	2.00000	1.99996	0.00004
19	9	-2.00000	-2.00004	0.00004
28	18	-1.00000	-1.00000	0.00000
21	65	-1.00000	-0.99997	-0.00003
66	24	-2.00000	-1.99996	-0.00004
37	27	-1.00000	-0.99986	-0.00014
30	36	1.00000	0.99994	0.00006
56	35	1.00000	0.99994	0.00006
40	5	2.00000	2.00001	-0.00001
9	40	2.00000	1.99998	0.00002
43	57	2.00000	2.33330	-0.33330

45	47	-1.00000	-0.99995	-0.00005
46	35	-1.00000	-0.99997	-0.00003
50	61	-1.00000	-1.00002	0.00002
51	37	-1.00000	-0.99998	-0.00002
47	52	2.00000	2.00007	-0.00007
7	57	2.00000	1.66664	0.33336
60	36	-1.00000	-1.00005	0.00005
27	63	2.00000	2.00010	-0.00010

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE9

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	1.22222	3.111	1.10784	3.184	1.40014	4.528	1.42562	5.355	1.35997	5.967
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	-0.34314	2.731	-0.34963	3.290	-0.36323	3.967	-0.29954	3.694
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.51129	2.862
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.87930	2.831	-1.53632	4.386	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.55277	0.306	0.69823	0.488	0.80695	0.651	0.86870	0.755	0.91180	0.831	

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	1.45975	8.089	1.34745	8.396	1.30285	10.189	1.26293	12.149	1.24004	13.418
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(68)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(69)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(70)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(71)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(72)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(73)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(74)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(75)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(76)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(77)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(78)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(79)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(80)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(81)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(82)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(83)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(84)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(85)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(86)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(87)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(88)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(89)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(90)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(91)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(92)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(93)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(94)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(95)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(96)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(97)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(98)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(99)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(100)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(101)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(102)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(103)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(104)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(105)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(106)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(107)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(108)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(109)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(110)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(111)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(112)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(113)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(114)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(115)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(116)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(117)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(118)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(119)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(120)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(121)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(122)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(123)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(124)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(125)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(126)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(127)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(128)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(129)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(130)	-0.90357	3.121	-1.01007	3.574	-0.93362	3.385	-0.86419	2.999	-0.91558	2.970

X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	-1.91327	13.272	-1.86031	13.221	-1.83351	13.483	-1.76547	11.325	-1.76165	10.923
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99337	0.987	0.99456	0.989	0.99547	0.991	0.99586	0.992	0.99606	0.992

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.09835	0.427	0.15290	0.435	0.16037	0.408	0.18416	0.293	0.18806	0.246
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	1.17748	11.843	1.16959	10.359	1.16812	9.382	1.16700	8.291	1.16749	7.065
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	-0.01921	0.218	-0.01566	0.152	-0.01734	0.145	-0.01777	0.127
X(29)	-0.32428	6.703	-0.33300	5.077	-0.33256	4.623	-0.33486	3.664	-0.33576	2.820
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	-0.67147	8.250	-0.66858	7.550	-0.67023	6.811	-0.66651	5.103	-0.66667	4.412
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(52)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(56)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(57)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(58)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(59)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(60)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(61)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(62)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(63)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(64)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(65)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(66)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(67)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(68)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(69)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(70)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(71)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(72)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(73)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(74)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(75)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(76)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(77)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(78)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(79)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(80)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(81)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(82)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(83)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(84)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(85)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(86)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(87)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(88)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(89)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(90)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(91)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(92)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(93)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(94)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(95)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000
X(96)	-0.69465	3.731	-0.68319	3.322	-0.67188	2.567	-0.76657	1.167	-0.92893	0.997
X(97)	-0.00000	0.009	-0.00000	0.294	-0.00000	0.259	-0.01286	0.186	-0.00003	0.159
X(98)	0.26589	0.403	0.31500	1.146	0.30962	1.012	0.31551	0.877	0.31589	0.760
X(99)	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000
X(100)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(101)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(102)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(103)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(104)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(105)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(108)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(109)	-0.05975	1.741	-0.05108	0.942	-0.05467	0.780	-0.05391	0.677	-0.05378	0.583

X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00966	1.400	0.01105	1.131	0.01094	1.017	0.01125	0.839	0.01132	0.705	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	-0.19330	2.797	-0.20651	2.155	-0.20053	1.646	-0.19596	1.214	-0.19428	0.914	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	-1.74679	10.055	-1.71787	7.500	-1.71604	6.826	-1.70361	4.647	-1.70332	4.020	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.99616	0.992	0.99619	0.992	0.99620	0.992	0.99620	0.992	0.99620	0.992	

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.19017	0.178	0.19164	0.044
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	1.16665	4.042	1.16561	0.403
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000

X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000
X(28)	-0.01765	0.101	-0.01769	0.064
X(29)	-0.33581	2.295	-0.33576	1.346
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000
X(38)	-0.66656	3.566	-0.66640	1.277
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000
X(57)	0.00000	0.000	0.00000	0.000
X(58)	0.00000	0.000	0.00000	0.000
X(59)	0.00000	0.000	0.00000	0.000
X(60)	0.00000	0.000	0.00000	0.000
X(61)	0.00000	0.000	0.00000	0.000
X(62)	0.00000	0.000	0.00000	0.000
X(63)	0.00000	0.000	0.00000	0.000
X(64)	0.00000	0.000	0.00000	0.000
X(65)	0.00000	0.000	0.00000	0.000
X(66)	0.00000	0.000	0.00000	0.000
X(67)	0.00000	0.000	0.00000	0.000
X(68)	0.00000	0.000	0.00000	0.000
X(69)	0.00000	0.000	0.00000	0.000
X(70)	0.00000	0.000	0.00000	0.000
X(71)	0.00000	0.000	0.00000	0.000
X(72)	0.00000	0.000	0.00000	0.000
X(73)	0.00000	0.000	0.00000	0.000
X(74)	0.00000	0.000	0.00000	0.000
X(75)	0.00000	0.000	0.00000	0.000
X(76)	0.00000	0.000	0.00000	0.000
X(77)	0.00000	0.000	0.00000	0.000
X(78)	0.00000	0.000	0.00000	0.000
X(79)	0.00000	0.000	0.00000	0.000
X(80)	0.00000	0.000	0.00000	0.000
X(81)	0.00000	0.000	0.00000	0.000
X(82)	0.00000	0.000	0.00000	0.000
X(83)	0.00000	0.000	0.00000	0.000
X(84)	0.00000	0.000	0.00000	0.000
X(85)	0.00000	0.000	0.00000	0.000
X(86)	0.00000	0.000	0.00000	0.000
X(87)	0.00000	0.000	0.00000	0.000

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X189	0.00000	0.000	0.00000	0.000
X190	0.00000	0.000	0.00000	0.000
X191	0.00000	0.000	0.00000	0.000
X192	0.00000	0.000	0.00000	0.000
X193	0.00000	0.000	0.00000	0.000
X194	0.00000	0.000	0.00000	0.000
X195	0.72995	0.774	-0.72978	0.518
X197	-0.00000	0.000	-0.00000	0.000
X198	0.01305	0.112	-0.01264	0.011
X199	0.31776	0.464	-0.32603	0.051
X100	0.00000	0.000	0.00000	0.000
X101	0.00000	0.000	0.00000	0.000
X102	0.00000	0.000	0.00000	0.000
X103	0.00000	0.000	0.00000	0.000
X104	0.00000	0.000	0.00000	0.000
X105	0.00000	0.000	0.00000	0.000
X106	0.00000	0.000	0.00000	0.000
X107	0.00000	0.000	0.00000	0.000
X108	0.05396	0.446	-0.05401	0.233
X110	-0.00000	0.000	-0.00000	0.000
X111	0.00000	0.000	0.00000	0.000
X112	0.00000	0.000	0.00000	0.000
X113	0.00000	0.000	0.00000	0.000
X114	0.00000	0.000	0.00000	0.000
X115	0.00000	0.000	0.00000	0.000
X116	0.00000	0.000	0.00000	0.000
X117	0.00000	0.000	0.00000	0.000
X118	-0.00145	0.012	-0.00088	0.001
X119	0.00000	0.000	0.00000	0.000
X120	0.00000	0.000	0.00000	0.000
X121	0.00000	0.000	0.00000	0.000
X122	0.00000	0.000	0.00000	0.000
X123	0.00000	0.000	0.00000	0.000
X124	0.00000	0.000	0.00000	0.000
X125	0.00000	0.000	0.00000	0.000
X126	0.00000	0.000	0.00000	0.000
X127	0.00000	0.000	0.00000	0.000
X128	0.00000	0.000	0.00000	0.000
X130	0.00000	0.000	0.00000	0.000
X131	-0.94430	0.761	-0.94821	0.087
X132	-0.00060	0.000	-0.00000	0.000
X133	-0.07914	0.316	-0.07845	0.041
X134	-0.97909	0.906	-0.97769	0.047
X135	-0.20072	0.346	-0.20000	0.006
X137	-0.00000	0.000	-0.00000	0.000
X138	0.00000	0.000	0.00000	0.000
X139	0.00000	0.000	0.00000	0.000
X140	0.00000	0.000	0.00000	0.000
X141	0.00000	0.000	0.00000	0.000
X142	0.00000	0.000	0.00000	0.000
X144	0.00000	0.000	0.00000	0.000
X145	0.00000	0.000	0.00000	0.000
X146	0.00000	0.000	0.00000	0.000
X147	0.00000	0.000	0.00000	0.000
X148	0.00000	0.000	0.00000	0.000
X150	0.00000	0.000	0.00000	0.000
X151	0.00000	0.000	0.00000	0.000

X(152)	0.00000	0.000	0.00000	0.000
X(153)	0.00000	0.000	0.00000	0.000
X(154)	0.00000	0.000	0.00000	0.000
X(155)	0.00000	0.000	0.00000	0.000
X(156)	-0.01207	0.057	-0.01208	0.040
X(157)	0.00748	0.037	0.00774	0.010
X(158)	0.00000	0.000	0.00000	0.000
X(159)	0.11434	0.727	0.11409	0.161
X(160)	0.00000	0.000	0.00000	0.000
X(161)	-0.26686	5.412	-0.26689	2.359
X(162)	0.00000	0.000	0.00000	0.000
X(163)	0.00000	0.000	0.00000	0.000
X(164)	0.00000	0.000	-0.00047	0.000
X(165)	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000
X(167)	0.00051	0.004	0.00107	0.001
X(168)	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.01123	0.375	0.01119	0.089
X(189)	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000
X(194)	-0.19392	0.706	-0.19439	0.145
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000
X(200)	-1.70248	3.050	-1.70176	0.797
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000

0

MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUAREO
0.99621	0.992	0.99621	0.992

1PAGE 25 BMDP9M NAVY ORAL HEALTH STATUS INDEX

PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPAREO.

CASES JUDGE9

COMPARED		JUDGMENT	PREDICTION	ERROR
48	1	1.00000	0.99999	0.00001
4	6	1.00000	0.99998	0.00002
5	17	-1.00000	-1.00004	0.00004
43	7	1.00000	0.66664	0.33336
8	31	1.00000	1.00003	-0.00003
19	9	-2.00000	-1.99992	-0.00008
28	18	-2.00000	-1.99997	-0.00003
21	65	-1.00000	-1.00001	0.00001
66	24	-1.00000	-1.00003	0.00003
37	27	-1.00000	-1.00001	0.00001
30	36	2.00000	2.00001	-0.00001
56	35	1.00000	1.00000	-0.00000
40	5	1.00000	0.99997	0.00003
9	40	1.00000	1.00007	-0.00007
43	57	2.00000	2.33329	-0.33329
45	47	-2.00000	-2.00002	0.00002
46	35	-2.00000	-1.99999	-0.00001
50	61	-1.00000	-1.00005	0.00005
61	37	-1.00000	-1.00004	0.00004
47	52	1.00000	0.99992	0.00008
7	57	2.00000	1.66664	0.33336
60	36	-1.00000	-1.00002	0.00002
27	63	1.00000	0.99997	0.00003

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE10

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	-1.83431	3.144	-1.83687	3.755	-1.72230	4.563	-1.72230	5.824
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(159)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(162)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(163)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(164)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(165)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(179)	0.32864	3.472	0.33725	4.219	0.34747	5.177	0.34266	6.635	0.34266	8.470
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.45347	3.847	-0.45347	4.911
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.59491	0.354	0.74882	0.561	0.84011	0.706	0.91358	0.835	0.95071	0.904

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(73)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(74)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(75)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(76)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(77)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(78)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(79)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(80)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(81)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(82)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(83)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(84)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(85)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(86)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(87)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(88)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(89)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(90)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(91)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(92)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(93)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(94)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(95)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(96)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(97)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(98)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(99)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(100)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(101)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(102)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(103)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(104)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(105)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(108)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(109)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(110)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(111)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(112)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(113)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(114)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(115)	0.27006	2.579	0.28111	3.106	0.25582	3.105	0.21941	2.804	0.19298	2.470
X(116)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(117)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(118)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(119)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(120)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(121)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.59437	1.388
X(122)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(123)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(124)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(125)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(126)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(127)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(128)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(129)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(130)	-1.36497	3.717	-1.87801	5.033	-2.07507	5.956	-2.09688	6.530	-2.08204	6.691
X(131)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(132)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(133)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(134)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(135)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(136)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.0000U	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.96483	0.931	0.97545	0.952	0.98136	0.963	0.98527	0.971	0.98719	0.975

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	-1.94178	9.745	-1.97348	9.573	-2.04257	8.675	-2.06545	8.275	-2.00097	6.366
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	1.08721	3.276	1.07160	3.175	1.15397	3.139	1.14857	3.001	1.14843	2.853
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.52506	0.800	0.62285	0.904	0.45665	0.574	0.51824	0.608
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(179)	0.33141	10.543	0.32543	9.929	0.32120	9.385	0.31849	8.833	0.31144	7.351
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	-0.48174	7.229	-0.47144	6.845	-0.49986	6.060	-0.49501	5.727	-0.49226	5.398
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98802	0.976	0.98868	0.977	0.98917	0.978	0.98945	0.979	0.98963	0.979

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	-1.98541	5.721	-1.97871	5.196	-1.97834	4.741	-1.97892	4.222	-1.97967	3.233
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	1.10956	2.292	1.12980	2.009	1.15527	1.188	1.15820	1.041	1.15749	0.882
X(17)	0.00000	0.000	0.00000	0.000	0.01508	0.034	0.01618	0.032	0.01490	0.020
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.60921	0.581	0.71449	0.456	0.71104	0.414	0.66811	0.170	0.65875	0.114
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X 7)	0.00000	0.000	0.00000	0.000	0.000
X 8)	0.00000	0.000	0.00000	0.000	0.000
X 9)	0.00000	0.000	0.00000	0.000	0.000
X 10)	-0.00000	0.000	-0.00000	0.000	0.000
X 11)	-1.38024	0.970	-0.00000	0.000	0.000
X 12)	0.00000	0.000	-2.00000	0.000	0.000
X 13)	0.00000	0.000	0.00000	0.000	0.000
X 14)	0.00000	0.000	0.00000	0.000	0.000
X 15)	-1.15916	0.156	-1.21122	0.009	0.000
X 16)	0.01530	0.008	0.02664	0.001	0.000
X 17)	0.00000	0.000	0.00000	0.000	0.000
X 18)	0.00000	0.000	0.00000	0.000	0.000
X 19)	0.00000	0.000	0.00000	0.000	0.000
X 20)	0.66106	0.054	0.73845	0.004	0.000
X 21)	0.00000	0.000	0.00000	0.000	0.000
X 22)	0.00097	0.000	0.00854	0.000	0.000
X 23)	-0.00067	0.000	-0.00080	0.000	0.000
X 24)	0.00000	0.000	0.00000	0.000	0.000
X 25)	0.00000	0.000	0.00000	0.000	0.000
X 26)	0.00000	0.000	0.00000	0.000	0.000
X 27)	0.00000	0.000	0.00000	0.000	0.000
X 28)	0.00000	0.000	0.00000	0.000	0.000
X 29)	0.00000	0.000	0.00000	0.000	0.000
X 30)	0.00000	0.000	0.00000	0.000	0.000
X 31)	0.00000	0.000	0.00000	0.000	0.000
X 32)	0.00000	0.000	0.00000	0.000	0.000
X 33)	0.00000	0.000	0.00000	0.000	0.000
X 34)	0.00000	0.000	0.00000	0.000	0.000
X 35)	0.00000	0.000	0.00000	0.000	0.000
X 36)	0.00000	0.000	0.00000	0.000	0.000
X 37)	0.00000	0.000	0.00000	0.000	0.000
X 38)	0.00000	0.000	0.00000	0.000	0.000
X 39)	0.00000	0.000	0.00000	0.000	0.000
X 40)	0.00000	0.000	0.00000	0.000	0.000
X 41)	0.00000	0.000	0.00000	0.000	0.000
X 42)	0.00000	0.000	0.00000	0.000	0.000
X 43)	0.00000	0.000	0.00000	0.000	0.000
X 44)	0.00000	0.000	0.00000	0.000	0.000
X 45)	0.00000	0.000	0.00000	0.000	0.000
X 46)	0.00000	0.000	0.00000	0.000	0.000
X 47)	0.00000	0.000	0.00000	0.000	0.000
X 48)	0.00000	0.000	0.00000	0.000	0.000
X 49)	0.00000	0.000	0.00000	0.000	0.000
X 50)	0.00000	0.000	0.00000	0.000	0.000
X 51)	0.00000	0.000	0.00000	0.000	0.000
X 52)	0.00000	0.000	0.00000	0.000	0.000
X 53)	0.00000	0.000	0.00000	0.000	0.000
X 54)	0.00000	0.000	0.00000	0.000	0.000
X 55)	0.00000	0.000	0.00000	0.000	0.000
X 56)	0.03906	0.064	0.03562	0.004	0.000
X 57)	-0.00000	0.000	-0.00000	0.000	0.000
X 58)	0.00000	0.000	0.00000	0.000	0.000
X 59)	0.00000	0.000	0.00000	0.000	0.000
X 60)	0.00000	0.000	0.00000	0.000	0.000
X 61)	0.35354	0.411	0.35975	0.024	0.000
X 62)	0.00000	0.000	0.00000	0.000	0.000
X 63)	0.00000	0.000	0.00000	0.000	0.000
X 64)	0.00000	0.000	0.00000	0.000	0.000
X 65)	0.00000	0.000	0.00000	0.000	0.000
X 66)	0.00000	0.000	0.00000	0.000	0.000
X 67)	0.00000	0.000	0.00000	0.000	0.000
X 68)	0.00000	0.000	0.00000	0.000	0.000
X 69)	0.00000	0.000	0.00000	0.000	0.000
X 70)	0.00000	0.000	0.00000	0.000	0.000

X 71	0.0000	0.000	0.00000	0.000
X 72	0.00000	0.000	0.00000	0.000
X 73	0.00000	0.000	0.00000	0.000
X 74	0.00000	0.000	0.00000	0.000
X 75	0.00000	0.000	0.00000	0.000
X 76	0.00000	0.000	0.00000	0.000
X 77	0.00469	0.083	0.00289	0.005
X 78	0.04067	0.715	0.03928	0.001
X 79	0.07007	0.015	0.00118	0.000
X 80	0.00000	0.000	0.00000	0.000
X 81	0.00000	0.000	0.00000	0.000
X 82	0.00000	0.000	0.00000	0.000
X 83	0.00000	0.000	0.00000	0.000
X 84	0.00000	0.000	0.00000	0.000
X 85	0.00000	0.000	0.00000	0.000
X 86	0.00000	0.000	0.00000	0.000
X 87	0.00000	0.000	0.00000	0.000
X 88	0.00000	0.000	0.00000	0.000
X 89	0.00000	0.000	0.00000	0.000
X 90	0.00000	0.000	0.00000	0.000
X 91	0.00000	0.000	0.00000	0.000
X 92	0.00000	0.000	0.00000	0.000
X 93	0.00000	0.000	0.00000	0.000
X 94	0.00000	0.000	0.00000	0.000
X 95	0.16896	0.118	0.17868	0.007
X 96	0.00000	0.000	0.00000	0.000
X 97	0.00000	0.000	0.00000	0.000
X 98	0.03102	0.046	0.00707	0.005
X 99	0.00000	0.000	0.00667	0.000
X 100	0.00000	0.000	0.00000	0.000
X 101	0.00000	0.000	0.00000	0.000
X 102	0.00000	0.000	0.00000	0.000
X 103	0.00000	0.000	0.00000	0.000
X 104	0.00000	0.000	0.00000	0.000
X 105	0.00000	0.000	0.00000	0.000
X 106	0.00000	0.000	0.00000	0.000
X 107	0.00000	0.000	0.00000	0.000
X 108	0.00000	0.000	0.00000	0.000
X 109	0.00000	0.000	0.00000	0.000
X 110	0.00000	0.000	0.00000	0.000
X 111	0.00000	0.000	0.00000	0.000
X 112	0.00000	0.000	0.00000	0.000
X 113	0.00000	0.000	0.00000	0.000
X 114	0.00000	0.000	0.00000	0.002
X 115	-0.05994	-0.024	-0.07583	0.002
X 116	0.00000	0.000	0.00000	0.000
X 117	0.00000	0.000	0.00000	0.000
X 118	0.00000	0.000	0.00000	0.000
X 119	0.00000	0.000	0.00000	0.000
X 120	0.37090	0.100	0.39130	0.008
X 121	0.00000	0.000	0.00000	0.000
X 122	0.00000	0.000	0.00000	0.000
X 123	0.00000	0.000	0.00000	0.000
X 124	0.00000	0.000	0.00000	0.000
X 125	0.00000	0.000	0.00000	0.000
X 126	0.00000	0.000	0.00000	0.000
X 127	0.00000	0.000	0.00000	0.000
X 128	0.00000	0.000	0.00000	0.000
X 129	-2.54300	-0.332	-2.60039	0.018
X 130	0.00000	0.000	0.00000	0.000
X 131	0.00000	0.000	0.00000	0.000
X 132	0.00000	0.000	0.00000	0.000
X 133	0.00000	0.000	0.00000	0.000
X 134	0.00000	0.000	0.00000	0.000

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X135	0.00000	0.000	0.00000	0.000
X136	0.00000	0.000	0.00000	0.000
X137	0.00000	0.000	0.00000	0.000
X138	0.00000	0.000	0.00000	0.000
X139	0.00000	0.000	0.00000	0.000
X140	0.00000	0.000	0.00000	0.000
X141	0.00000	0.000	0.00000	0.000
X142	0.00000	0.000	0.00000	0.000
X143	0.00000	0.000	0.00000	0.000
X144	0.00000	0.000	0.00000	0.000
X145	0.00000	0.000	0.00000	0.000
X146	2.67779	0.585	-2.64916	0.038
X147	0.00000	0.000	0.00000	0.000
X148	0.01900	0.000	0.00333	0.000
X149	-0.03300	0.292	-0.13533	0.030
X150	0.00000	0.000	0.00000	0.000
X151	0.00000	0.000	0.00000	0.000
X152	0.00000	0.000	0.00000	0.000
X153	0.00000	0.000	0.00000	0.000
X154	0.00000	0.000	0.00000	0.000
X155	0.00000	0.000	0.00000	0.000
X156	0.00000	0.000	0.00000	0.000
X157	0.00000	0.000	0.00000	0.000
X158	0.00000	0.000	0.00000	0.000
X159	0.00000	0.000	0.00000	0.000
X160	0.00000	0.000	0.00000	0.000
X161	0.00000	0.000	0.00000	0.000
X162	0.00000	0.000	0.00000	0.000
X163	0.00000	0.000	0.00000	0.000
X164	0.00000	0.000	0.00000	0.000
X165	0.00058	0.001	0.00362	0.000
X166	0.00000	0.000	0.00000	0.000
X167	0.00000	0.000	0.00000	0.000
X168	0.00000	0.000	0.00000	0.000
X169	0.00000	0.000	0.00000	0.000
X170	0.00000	0.000	0.00000	0.000
X171	0.00000	0.000	0.00000	0.000
X172	0.00000	0.000	0.00000	0.000
X173	0.00000	0.000	0.00000	0.000
X174	0.00000	0.000	0.00000	0.000
X175	0.00000	0.000	0.00000	0.000
X176	0.00000	0.000	0.00000	0.000
X177	0.00000	0.000	0.00000	0.000
X178	0.00000	0.000	0.00000	0.000
X179	0.30074	1.656	-0.29980	1.129
X180	0.00000	0.000	0.00000	0.000
X181	0.00000	0.000	0.00000	0.000
X182	0.00000	0.000	0.00000	0.000
X183	0.00000	0.000	0.00000	0.000
X184	0.00000	0.000	0.00000	0.000
X185	0.00000	0.000	0.00000	0.000
X186	0.00000	0.000	0.00000	0.000
X187	0.00000	0.000	0.00000	0.000
X188	0.00000	0.000	0.00000	0.000
X189	0.00000	0.000	0.00000	0.000
X190	0.00000	0.000	0.00000	0.000
X191	0.00455	0.006	-0.00542	0.002
X192	0.00000	0.000	-0.00000	0.000
X193	0.00000	0.000	-0.00000	0.000
X194	0.04900	0.701	-0.04900	0.045
X195	-0.41355	0.000	-0.41355	0.000
X196	0.00000	0.000	-0.00000	0.000
X197	0.00000	0.000	-0.00000	0.000
X198	0.00000	0.000	0.00000	0.000

X(199)	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.12984	0.016	0.18837	0.001
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000

0

MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
0.98969	0.979	0.98969	0.979

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGE10 JUDGMENT	PREDICTION	ERROR
48	1	1.00000	1.00019	-0.00019
4	6	2.00000	1.99988	0.00012
5	17	1.00000	0.99993	0.00007
43	7	2.00000	1.33334	0.66666
8	31	2.00000	1.99996	0.00004
10	9	-2.00000	-1.99993	-0.00007
28	18	-1.00000	-0.99995	-0.00005
21	65	-1.00000	-1.00012	0.00012
66	24	-1.00000	-0.99986	-0.00014
37	27	2.00000	2.00000	0.00000
30	36	-2.00000	-2.00011	0.00011
56	35	-1.00000	-0.99998	-0.00002
40	5	-2.00000	-2.00005	0.00005
9	40	2.00000	1.99994	0.00006
43	57	2.00000	2.66665	-0.66665
45	47	-1.00000	-1.00007	0.00007
46	35	1.00000	1.00016	-0.00016
50	61	-2.00000	-1.99992	-0.00008
51	37	-2.00000	-1.99999	-0.00001
47	52	1.00000	1.00000	0.00000
7	57	2.00000	1.33331	0.66669
60	36	-2.00000	-1.99987	-0.00013
27	63	2.00000	2.00015	-0.00015

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COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE11

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(142)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(143)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(144)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(145)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(146)	0.00000	0.000	2.08360	3.105	2.20228	4.042	2.17160	4.731	2.16009	6.798	
X(147)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(148)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(149)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(150)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(151)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(152)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(153)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(154)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(155)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(156)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(157)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.21161	4.653	
X(158)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(159)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(160)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(161)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(162)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(163)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(164)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(165)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(166)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(167)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(168)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(170)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(183)	0.08038	4.066	0.08978	5.246	0.10804	7.281	0.10332	8.205	0.10155	11.638	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	

X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.65498	0.429	0.78017	0.609	0.86903	0.755	0.91382	0.835	0.96183	0.925	

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-1.30695	2.331	-1.44730	2.912	-1.44552	3.346	-1.42385	3.799	-1.54023	4.494
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	-0.10081	2.487	-0.10162	2.890	-0.09912	3.123
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.93618	6.216	0.92658	6.983	0.88339	7.575	0.96309	9.060	1.00120	10.253
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.34951	2.437	0.37977	2.917
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.97122	0.943	0.97908	0.959	0.98523	0.971	0.98965	0.979	0.99219	0.984

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-1.63412	5.288	-1.58101	5.415	-1.64102	5.764	-1.63949	5.627	-1.62430	5.293
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	-0.09963	3.519	-0.09892	3.721	-0.11821	4.039	-0.11630	3.869	-0.11601	3.685
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

909

X(162)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(163)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(164)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(165)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(170)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	0.09257	20.541	0.09328	21.930	0.09336	21.082
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000.	0.00000	0.000
X(197)	0.36402	3.128	0.36974	3.382	0.36743	3.488
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99427	0.989	0.99538	0.991	0.99610	0.992

	0.00000	0.000	0.00000	0.000	0.00000	0.000

184

X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.99644	0.993	0.99645	0.993	0.99645	0.993	0.99645	0.993	0.99645	0.993	

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	-1.63898	2.256	-1.63635	0.444
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00537	0.002	-0.02180	0.001
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000
X(29)	-0.11635	0.158	-0.12227	0.015
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.96434	0.293	0.93244	0.022
X(43)	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000
X(52)	-0.20379	0.073	-0.18056	0.006
X(53)	0.00000	0.000	0.00000	0.000

X(54)	0.00000	0.000	0.00000	0.000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.000
X(56)	0.02383	0.040	0.02928	0.004	0.004
X(57)	0.00000	0.000	0.00000	0.000	0.000
X(58)	0.00000	0.000	0.01797	0.001	0.001
X(59)	-0.00065	0.000	-0.00067	0.000	0.000
X(60)	0.00000	0.000	0.00000	0.000	0.000
X(61)	0.00000	0.000	0.00000	0.000	0.000
X(62)	0.05745	0.138	0.05994	0.018	0.018
X(63)	0.00000	0.000	0.00000	0.000	0.000
X(64)	0.00000	0.000	0.00000	0.000	0.000
X(65)	0.00000	0.000	0.00000	0.000	0.000
X(66)	0.00000	0.000	0.00000	0.000	0.000
X(67)	0.00000	0.000	0.00000	0.000	0.000
X(68)	0.00000	0.000	0.00000	0.000	0.000
X(69)	0.00000	0.000	0.00000	0.000	0.000
X(70)	0.00000	0.000	0.00000	0.000	0.000
X(71)	0.00000	0.000	0.00000	0.000	0.000
X(72)	0.00000	0.000	0.00000	0.000	0.000
X(73)	0.00000	0.000	0.00000	0.000	0.000
X(74)	0.00000	0.000	0.00000	0.000	0.000
X(75)	0.00000	0.000	0.00000	0.000	0.000
X(76)	0.00000	0.000	0.00000	0.000	0.000
X(77)	0.19188	0.347	0.19618	0.034	0.034
X(78)	0.00000	0.000	0.00000	0.000	0.000
X(79)	0.00000	0.000	0.00000	0.000	0.000
X(80)	0.00000	0.000	0.00000	0.000	0.000
X(81)	0.00000	0.000	0.00000	0.000	0.000
X(82)	0.00000	0.000	0.00000	0.000	0.000
X(83)	0.00000	0.000	0.00000	0.000	0.000
X(84)	0.00000	0.000	0.00000	0.000	0.000
X(85)	0.00000	0.000	0.00000	0.000	0.000
X(86)	0.00000	0.000	0.00000	0.000	0.000
X(87)	0.00000	0.000	0.00000	0.000	0.000
X(88)	0.00000	0.000	0.00000	0.000	0.000
X(89)	0.00000	0.000	0.00000	0.000	0.000
X(90)	0.00000	0.000	0.00000	0.000	0.000
X(91)	-0.16559	0.185	-0.16557	0.019	0.019
X(92)	0.00000	0.000	0.00000	0.000	0.000
X(93)	0.00000	0.000	0.00000	0.000	0.000
X(94)	0.00000	0.000	0.00000	0.000	0.000
X(95)	0.00000	0.000	0.00000	0.000	0.000
X(96)	0.00000	0.000	0.00000	0.000	0.000
X(97)	0.00000	0.000	0.00000	0.000	0.000
X(98)	0.00000	0.000	0.00000	0.000	0.000
X(99)	0.00000	0.000	0.00000	0.000	0.000
X(100)	0.00000	0.000	0.00000	0.000	0.000
X(101)	0.00000	0.000	0.00000	0.000	0.000
X(102)	0.00000	0.000	0.00000	0.000	0.000
X(103)	0.00000	0.000	0.00000	0.000	0.000
X(104)	0.00000	0.000	0.00000	0.000	0.000
X(105)	0.00000	0.000	0.00000	0.000	0.000
X(106)	0.00000	0.000	0.00000	0.000	0.000
X(107)	0.00000	0.000	0.00000	0.000	0.000
X(108)	0.00000	0.000	0.00000	0.000	0.000
X(109)	0.00000	0.000	0.00000	0.000	0.000
X(110)	0.00000	0.000	0.00000	0.000	0.000
X(111)	0.00000	0.000	0.00000	0.000	0.000
X(112)	0.00000	0.000	0.00000	0.000	0.000
X(113)	0.00000	0.000	0.00000	0.000	0.000
X(114)	0.43958	3.254	0.43977	1.351	1.351
X(115)	0.00000	0.000	0.00000	0.000	0.000
X(116)	0.00000	0.000	0.00000	0.000	0.000
X(117)	0.00000	0.000	0.00000	0.000	0.000

X 118	0.00000	0.000	0.00000	0.000	0.000
X 119	0.00000	0.000	0.00000	0.000	0.000
X 120	0.04098	0.093	0.04424	0.010	0.000
X 121	0.00000	0.000	0.00000	0.000	0.000
X 122	0.00000	0.000	0.00000	0.000	0.000
X 123	0.00000	0.000	0.00000	0.000	0.000
X 124	0.00000	0.000	0.00000	0.000	0.000
X 125	0.00000	0.000	0.00000	0.000	0.000
X 126	0.00000	0.000	0.00000	0.000	0.000
X 127	0.00000	0.000	0.00000	0.000	0.000
X 128	0.00000	0.000	0.00000	0.000	0.000
X 129	0.00000	0.000	0.00000	0.000	0.000
X 130	0.00000	0.000	0.00000	0.000	0.000
X 131	0.00000	0.000	0.00000	0.000	0.000
X 132	0.00000	0.000	0.00000	0.000	0.000
X 133	0.00000	0.000	0.00000	0.000	0.000
X 134	0.00000	0.000	0.00000	0.000	0.000
X 135	0.00000	0.000	0.00000	0.000	0.000
X 136	0.00000	0.000	0.00000	0.000	0.000
X 137	0.00189	0.001	0.01786	0.001	0.000
X 138	-0.00000	0.000	0.00000	0.000	0.000
X 139	0.00000	0.000	0.00000	0.000	0.000
X 140	0.00000	0.000	0.00000	0.000	0.000
X 141	0.00000	0.000	0.00992	0.001	0.000
X 142	0.00000	0.000	-0.00962	0.001	0.000
X 143	0.00000	0.000	0.00000	0.000	0.000
X 144	0.00000	0.000	-0.03030	0.001	0.000
X 145	0.00000	0.000	0.00000	0.000	0.000
X 146	0.06521	0.014	0.00000	0.000	0.000
X 147	0.00000	0.000	0.00000	0.000	0.000
X 148	0.00000	0.000	0.00000	0.000	0.000
X 149	0.00000	0.000	0.00000	0.000	0.000
X 150	0.00000	0.000	0.00000	0.000	0.000
X 151	0.00000	0.000	0.00000	0.000	0.000
X 152	0.00000	0.000	0.00000	0.000	0.000
X 153	0.00000	0.000	0.00000	0.000	0.000
X 154	-0.09625	0.471	-0.09452	0.040	0.000
X 155	-0.00000	0.000	-0.00000	0.000	0.000
X 156	-0.00000	0.000	-0.00000	0.000	0.000
X 157	-0.29909	1.751	-0.21131	0.111	0.000
X 158	-0.00000	0.000	-0.00000	0.000	0.000
X 159	0.00000	0.000	0.00000	0.000	0.000
X 160	0.00000	0.000	0.00000	0.000	0.000
X 161	0.00000	0.000	0.00000	0.000	0.000
X 162	0.00000	0.000	0.00000	0.000	0.000
X 163	0.00000	0.000	0.00000	0.000	0.000
X 164	0.00000	0.000	0.00000	0.000	0.000
X 165	0.00000	0.000	0.00000	0.000	0.000
X 166	0.00000	0.000	0.00000	0.000	0.000
X 167	0.00000	0.000	0.00000	0.000	0.000
X 168	0.00000	0.000	0.00000	0.000	0.000
X 169	0.00000	0.000	0.00000	0.000	0.000
X 170	0.00997	0.006	0.00998	0.007	0.000
X 171	-0.02607	0.006	-0.00000	0.000	0.000
X 172	-0.00000	0.000	0.00000	0.000	0.000
X 173	0.00000	0.000	0.00000	0.000	0.000
X 174	0.00000	0.000	0.00000	0.000	0.000
X 175	0.00000	0.000	0.00000	0.000	0.000
X 176	0.00000	0.000	0.00000	0.000	0.000
X 177	0.00000	0.000	0.00000	0.000	0.000
X 178	0.00000	0.000	0.00000	0.000	0.000
X 179	0.00000	0.000	0.00000	0.000	0.000
X 180	0.00000	0.000	0.00000	0.000	0.000
X 181	0.00000	0.000	0.00000	0.000	0.000

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X(182)	0.00000	0.000	0.00000	0.000
X(183)	0.09050	0.601	0.08915	0.049
X(184)	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000
X(192)	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000
X(194)	-0.02674	0.029	-0.01994	0.002
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.40502	0.198	0.42139	0.019
X(198)	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000
X(200)	-0.00061	0.000	-0.04354	0.001
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000

0

MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
0.99645	0.993	0.99645	0.993

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGE11 JUDGMENT	PREDICTION	ERROR
48	1	1.00000	0.99995	0.00005
4	6	1.00000	1.00005	-0.00005
5	17	1.00000	1.00008	-0.00008
43	7	2.00000	1.66668	0.33332
8	31	1.00000	1.00024	-0.00024
19	9	-2.00000	-1.99994	-0.00006
28	18	-1.00000	-0.99988	-0.00012
21	65	1.00000	0.99998	0.00002
66	24	-2.00000	-1.99998	-0.00002
37	27	1.00000	0.99999	0.00001
30	36	-2.00000	-1.99999	-0.00001
56	35	-1.00000	-0.99997	-0.00003
40	5	-1.00000	-0.99988	-0.00012
9	40	2.00000	1.99996	0.00004
43	57	2.00000	2.33337	-0.33337
45	47	-2.00000	-1.99992	-0.00008
46	35	1.00000	0.99993	0.00007
50	61	-1.00000	-1.00005	0.00005
51	37	-1.00000	-1.00012	0.00012
47	52	2.00000	1.99998	0.00002
7	57	1.00000	0.66670	0.33330
60	36	-1.00000	-1.00000	0.00000
27	63	1.00000	0.99993	0.00007

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COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE12

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	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X2	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X3	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X4	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X5	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X6	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X7	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X8	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X9	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X10	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X11	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X12	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X13	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X14	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X15	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X16	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X17	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X18	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X19	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X20	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X21	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X22	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X23	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X24	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X25	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X26	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X27	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X28	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X29	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X30	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X31	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X32	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X33	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X34	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X35	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X36	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X37	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X38	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X39	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X40	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X41	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X42	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X43	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X44	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X45	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X46	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X47	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X48	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X49	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X50	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X51	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X52	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X53	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X54	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X55	0.00000	0.000	-0.40904	4.762	-0.35431	4.903	-0.35431	5.524	-0.35628	6.202
X56	-0.32308	3.132	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000	-0.00000	0.000
X57	-0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X58	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X59	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X60	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.21037	2.384	
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	0.00000	0.000	-0.74503	3.648	-0.70933	4.229	-0.70933	4.766	-0.69233	5.186	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.50000	2.528	0.53506	3.010	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.55533	0.308	0.75941	0.577	0.85391	0.729	0.89294	0.797	0.91978	0.846	

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	-0.77719	2.691	-0.73291	2.793	-0.86780	3.721	-0.74215	3.506
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.37050	2.286
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(167)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(170)	-0.78768	4.010	-0.81889	4.863	-0.82381	5.403	-0.87615	6.564	-0.81856	6.841
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	-0.22930	3.027	-0.24248	3.732	-0.24221	4.117	-0.22928	4.486	-0.23523	5.242
X(192)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	-0.70234	6.150	-0.73967	7.498	-0.71279	7.901	-0.73929	9.393	-0.80675	10.730
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.58850	3.842	0.59313	4.527	0.64932	5.342	0.62668	5.943	0.70603	7.152
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.94534	0.894	0.96270	0.927	0.97146	0.944	0.98019	0.961	0.98591	0.972

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	-0.88976	4.189	-0.80794	4.357	-0.76732	4.593	-0.84105	4.919	-0.76789	4.291
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.43436	1.168
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(81)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(82)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(83)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(84)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(85)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(86)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(87)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(88)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(89)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(90)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(91)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(92)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(93)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(94)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(95)	-0.20259	3.698	-0.22189	4.654	-0.22791	5.334	-0.26381	5.321	-0.20838	3.067	
X(96)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(97)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(98)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(99)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(100)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(101)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(102)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(103)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(104)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(105)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(106)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(107)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(108)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(109)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(110)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(111)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(112)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(113)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(114)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(115)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(116)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(117)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(118)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(119)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(120)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(121)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(122)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(123)	0.16254	4.503	0.19430	5.741	0.20865	6.700	0.22288	6.965	0.22264	7.097	
X(124)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(125)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(126)	0.00000	0.000	0.00000	0.000	-0.33534	1.941	-0.34582	2.069	-0.37536	2.264	
X(127)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(128)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(129)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(130)	0.46369	1.789	0.78239	2.993	0.83960	3.565	1.03909	3.793	0.97199	3.539	
X(131)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(132)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(133)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(134)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(135)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(136)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(137)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(138)	0.00000	0.000	-0.52750	2.312	-0.56362	2.752	-0.65030	3.116	-0.64793	3.167	
X(139)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(140)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(141)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(142)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(143)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(144)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	

0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98890	0.978	0.99254	0.985	0.99459	0.989	0.99545	0.991	0.99612	0.992

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	-0.74786	3.770	-0.74976	3.502	-0.75396	3.133	-0.75065	2.300	-0.75073	1.988
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	-0.32789	0.655	-0.33926	0.624	-0.30095	0.388	-0.30115	0.347	-0.30315	0.259
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.70539	4.503	0.70483	4.099	0.69758	3.314	0.70038	2.479	0.70081	1.998
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.01030	0.077	0.00951	0.061	0.00928	0.048
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(53)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(54)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(55)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(56)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(57)	-0.25718	6.178	-0.25278	4.863	-0.24996	3.694	-0.24985	3.290	-0.24961	2.194
X(58)	-0.00955	0.410	-0.01030	0.404	-0.01103	0.374	-0.01081	0.307	-0.01080	0.265

X159	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X160	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X161	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X162	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X163	-0.06762	1.194	-0.07008	1.116	-0.07295	0.533	-0.07396	0.710	-0.07436	0.440	1.073
X164	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X165	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X166	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X167	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X168	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X169	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X170	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X171	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X172	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X173	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X174	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X175	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X176	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X177	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X178	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X179	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X180	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X181	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X182	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X183	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X184	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X185	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X186	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X187	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X188	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X189	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X190	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X191	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X192	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X193	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X194	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X195	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X196	-0.21175	2.344	-0.23598	2.155	-0.24199	1.692	-0.24362	1.325	-0.24389	0.818	1.073
X197	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X198	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X199	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X100	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X101	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X102	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X103	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X104	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X105	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X106	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X107	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X108	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X109	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X110	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X111	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X112	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X113	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X114	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X115	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X116	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X117	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X118	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X119	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X120	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X121	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X122	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000

202

X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	-0.23735	6.675	-0.24195	5.130	-0.24389	4.245	-0.24412	3.731	-0.24425	2.858	
X(192)	0.00000	0.000	0.01286	0.167	0.01595	0.171	0.01644	0.153	0.01691	0.090	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	-0.84174	14.174	-0.84253	13.130	-0.84186	11.893	-0.84223	10.291	-0.84246	7.166	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.80730	10.233	0.80248	8.939	0.79657	6.390	0.79840	4.619	0.79878	3.481	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.99618	0.992	0.99620	0.992	0.99620	0.992	0.99620	0.992	0.99620	0.992	

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	-0.00093	0.000	-0.06956	0.001
X(7)	-0.75068	1.541	-0.74225	0.097
X(8)	0.00000	0.000	0.00000	0.000
X(9)	-0.30314	0.211	-0.32370	0.017
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.70096	1.029	0.71599	0.053
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00916	0.019	-0.00270	0.000
X(28)	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000

X 37)	0.00000	0.00000	0.000	0.000
X 38)	0.00000	0.00000	0.000	0.000
X 39)	0.00000	0.00000	0.000	0.000
X 40)	0.00000	0.00000	0.000	0.000
X 41)	0.00000	0.00000	0.000	0.000
X 42)	0.00000	0.00000	0.000	0.000
X 43)	0.00000	0.00000	0.000	0.000
X 44)	0.00000	0.00000	0.000	0.000
X 45)	0.00000	0.00000	0.000	0.000
X 46)	0.00000	0.00000	0.000	0.000
X 47)	0.00000	0.00000	0.000	0.000
X 48)	0.00000	0.00000	0.000	0.000
X 49)	0.00000	0.00000	0.000	0.000
X 50)	0.00000	0.00000	0.000	0.000
X 51)	0.00000	0.00000	0.000	0.000
X 52)	0.00000	0.00000	0.000	0.000
X 53)	0.00000	0.00000	0.000	0.000
X 54)	0.00000	0.00000	0.000	0.000
X 55)	0.00000	0.00000	0.000	0.000
X 56)	0.00000	0.00000	0.000	0.000
X 57)	-0.20958	-0.24801	-0.172	0.000
X 58)	-0.21078	-0.00953	-0.008	0.000
X 59)	-0.00000	-0.00000	0.000	0.000
X 60)	-0.00000	-0.00000	0.000	0.000
X 61)	-0.00000	-0.00000	0.000	0.000
X 62)	-0.00000	-0.00000	0.000	0.000
X 63)	-0.07454	-0.08776	-0.007	0.000
X 64)	-0.00000	-0.00000	0.000	0.000
X 65)	-0.00000	-0.00000	0.000	0.000
X 66)	-0.00000	-0.00000	0.000	0.000
X 67)	-0.00000	-0.00000	0.000	0.000
X 68)	-0.00000	-0.00000	0.000	0.000
X 69)	-0.00000	-0.00000	0.000	0.000
X 70)	-0.00000	-0.00000	0.000	0.000
X 71)	-0.00000	-0.00000	0.000	0.000
X 72)	-0.00000	-0.00000	0.000	0.000
X 73)	-0.00000	-0.00000	0.000	0.000
X 74)	-0.00000	-0.00000	0.000	0.000
X 75)	-0.00000	-0.00000	0.000	0.000
X 76)	-0.00000	-0.00000	0.000	0.000
X 77)	-0.00000	-0.00000	0.000	0.000
X 78)	-0.00000	-0.00000	0.000	0.000
X 79)	-0.00000	-0.00000	0.000	0.000
X 80)	-0.00000	-0.00000	0.000	0.000
X 81)	-0.00000	-0.00000	0.000	0.000
X 82)	-0.00000	-0.00000	0.000	0.000
X 83)	-0.00000	-0.00000	0.000	0.000
X 84)	-0.00000	-0.00000	0.000	0.000
X 85)	-0.00000	-0.00000	0.000	0.000
X 86)	-0.00000	-0.00000	0.000	0.000
X 87)	-0.00000	-0.00000	0.000	0.000
X 88)	-0.00000	-0.00000	0.000	0.000
X 89)	-0.00000	-0.00000	0.000	0.000
X 90)	-0.00000	-0.00000	0.000	0.000
X 91)	-0.00000	-0.00000	0.000	0.000
X 92)	-0.00000	-0.00000	0.000	0.000
X 93)	-0.00000	-0.00000	0.000	0.000
X 94)	-0.00000	-0.00000	0.000	0.000
X 95)	-0.24409	-0.25730	-0.321	0.021
X 96)	-0.00000	-0.00000	0.000	0.000
X 97)	-0.00000	-0.00000	0.000	0.000
X 98)	-0.00000	-0.00000	0.000	0.000
X 99)	-0.00000	-0.00000	0.000	0.000
X 100)	0.00000	0.00000	0.000	0.000

X(101)	0.00000	0.000	0.00000	0.000
X(102)	0.00000	0.000	0.00000	0.000
X(103)	0.00000	0.000	0.00000	0.000
X(104)	0.00000	0.000	0.00000	0.000
X(105)	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000
X(108)	0.00000	0.000	0.00000	0.000
X(109)	0.00000	0.000	0.00000	0.000
X(110)	0.00000	0.000	0.00000	0.000
X(111)	0.00278	0.005	0.01323	0.001
X(112)	0.00000	0.000	0.00000	0.000
X(113)	0.00000	0.000	0.00000	0.000
X(114)	0.00000	0.000	0.00000	0.000
X(115)	0.00000	0.000	0.00000	0.000
X(116)	0.00000	0.000	0.00000	0.000
X(117)	0.00000	0.000	0.00000	0.000
X(118)	0.00000	0.000	0.00000	0.000
X(119)	0.00000	0.000	0.00000	0.000
X(120)	0.00000	0.000	0.00000	0.000
X(121)	0.00000	0.000	0.00000	0.000
X(122)	0.00000	0.000	0.00000	0.000
X(123)	0.22054	1.687	0.22304	0.098
X(124)	0.00000	0.000	0.00000	0.000
X(125)	0.00000	0.000	0.00000	0.000
X(126)	-0.35474	0.644	-0.36081	0.065
X(127)	0.00000	0.000	0.00000	0.000
X(128)	0.00000	0.000	0.00000	0.000
X(129)	0.00000	0.000	0.00000	0.000
X(130)	1.02616	0.913	1.04124	0.076
X(131)	0.00000	0.000	0.00000	0.000
X(132)	0.00000	0.000	0.00000	0.000
X(133)	0.00000	0.000	0.00000	0.000
X(134)	0.00000	0.000	0.00000	0.000
X(135)	0.00000	0.000	0.00000	0.000
X(136)	0.00000	0.000	0.00000	0.000
X(137)	0.00000	0.000	0.00000	0.000
X(138)	-0.72170	0.300	-0.77210	0.017
X(139)	0.00000	0.000	0.00000	0.000
X(140)	0.00000	0.000	0.00000	0.000
X(141)	0.00000	0.000	0.00000	0.000
X(142)	0.00000	0.000	0.00000	0.000
X(143)	0.00000	0.000	0.00000	0.000
X(144)	0.00000	0.000	0.00000	0.000
X(145)	0.00000	0.000	0.00000	0.000
X(146)	0.00000	0.000	0.00000	0.000
X(147)	0.00000	0.000	0.00000	0.000
X(148)	0.00000	0.000	0.00000	0.000
X(149)	0.00000	0.000	0.00000	0.000
X(150)	0.00000	0.000	0.00000	0.000
X(151)	0.00000	0.000	0.00000	0.000
X(152)	0.00000	0.000	0.00000	0.000
X(153)	0.00000	0.000	0.00000	0.000
X(154)	0.00000	0.000	0.00000	0.000
X(155)	0.00000	0.000	0.00000	0.000
X(156)	-0.01805	0.054	-0.02509	0.004
X(157)	0.00000	0.000	0.00000	0.000
X(158)	0.00000	0.000	0.00000	0.000
X(159)	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000
X(162)	0.00000	0.000	0.00000	0.000
X(163)	0.00008	0.001	0.00197	0.001
X(164)	0.00000	0.000	0.00000	0.000

632

X(165)	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00000	0.000
X(169)	0.00000	0.000	0.00000	0.000
X(170)	-0.83320	3.464	-0.83095	0.403
X(171)	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000
X(182)	0.00000	0.000	0.00000	0.000
X(183)	0.00000	0.000	0.00000	0.000
X(184)	0.00000	0.000	0.00000	0.000
X(185)	0.00000	0.000	0.00000	0.000
X(186)	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000
X(191)	-0.24443	0.383	-0.25746	0.022
X(192)	0.01699	0.047	0.02190	0.005
X(193)	0.00000	0.000	0.00000	0.000
X(194)	-0.84252	3.364	-0.84784	0.176
X(195)	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000
X(197)	0.79897	1.116	0.81528	0.055
X(198)	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000
X(204)	0.00000	0.000	0.00000	0.000
X(205)	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000

0

MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
0.99620	0.992	0.99621	0.992

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PREDICTIONS ARE DIFFERENCE SCORES OF CASES COMPARED.

CASES COMPARED		JUDGE12 JUDGMENT	PREDICTION	ERROR
48	1	1.00000	0.99977	0.00023
4	6	2.00000	2.00032	-0.00032
5	17	1.00000	1.00004	-0.00004
43	7	1.00000	0.66663	0.33337
8	31	2.00000	2.00004	-0.00004
19	9	-1.00000	-0.99992	-0.00008
28	18	-1.00000	-0.99980	-0.00020
21	65	-1.00000	-0.99988	-0.00012
66	24	-2.00000	-1.99966	-0.00034
37	27	1.00000	0.99992	0.00008
30	36	-1.00000	-1.00004	0.00004

56	35	-1.00000	-1.00001	0.00001
40	5	1.00000	1.00001	-0.00001
9	40	1.00000	0.99995	0.00005
43	57	2.00000	2.33336	-0.33336
45	47	-1.00000	-1.00008	0.00008
46	35	-1.00000	-0.99993	-0.00007
50	61	-1.00000	-1.00029	0.00029
51	37	-1.00000	-1.00000	-0.00000
47	52	2.00000	1.99992	0.00008
7	57	2.00000	1.66673	0.33327
60	36	-1.00000	-1.00004	0.00004
27	63	2.00000	2.00012	-0.00012

SCORES 8ASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGE1	JUDGE2	JUDGE3	JUDGE4	JUDGE5	JUDGE6	JUDGE7	JUDGE8	JUDGE9	JUDGE10
		JUDGE11	JUDGE12								
1	7250	-1.77461	-0.05620	-1.77068	-1.60204	-1.53716	0.41858	1.24100	0.11676	-1.78977	1.85499
		1.68599	-1.39512								
2	7311	-1.26414	-0.96996	0.76706	-2.75046	-0.45952	0.15100	1.96953	-2.92843	-0.14663	2.79935
		2.18811	-1.65538								
3	7369	-0.61857	0.03069	-11.22697	-2.34586	0.75401	-2.45045	1.45407	-3.30715	-6.09893	0.64141
		2.13438	-6.88431								
4	7405	0.45634	0.15047	1.23518	-2.32362	0.03203	-0.21270	1.97431	-2.67353	0.06346	2.38468
		2.62788	-2.18187								
5	7420	-0.61804	0.36357	1.58890	-1.56871	0.13546	-0.03978	2.02462	-1.85128	-0.89926	2.50295
		2.39081	-0.66749								
6	7428	-1.54375	1.15046	0.23521	-0.32361	2.03214	-1.21271	0.97439	-4.67355	-0.93652	0.38480
		1.62783	-4.18219								
7	7429	-1.80417	0.66665	1.53197	-1.45107	-0.04343	-1.15907	2.68163	-1.79454	-0.57460	1.32855
		0.65407	-1.79192								
8	7437	-1.65863	-1.24086	0.92811	-2.10930	-0.37628	-1.07049	2.55142	-1.22666	-0.38366	1.71802
		1.83329	-1.16813								
9	7439	-0.61796	1.36355	1.58885	-0.56866	0.13574	2.96027	2.02414	2.14871	1.10077	2.50285
		3.39089	1.33248								
10	7447	-0.27485	0.86755	0.32085	0.27959	-0.38201	1.38017	1.30550	-1.54107	0.36471	2.83070
		1.53425	-0.35224								
11	7450	-0.25752	0.61092	1.28116	-2.72133	-1.64536	-21.45706	0.33036	-1.96775	0.00775	-1.25235
		0.47646	-0.86421								
12	7458	-0.35278	0.30912	2.42644	-1.67681	-0.82806	-11.54504	1.14015	-1.42298	0.65188	1.08960
		2.07195	-0.80079								
13	7464	1.94746	0.62644	1.48373	-1.69510	-0.64673	-0.23702	1.03728	-0.22855	-1.24364	2.00928
		2.35862	-1.19849								
14	7465	-1.16249	0.15047	1.35302	-4.95265	-0.19746	-1.18943	0.57526	-6.24050	-2.30093	0.70382
		0.40864	-5.81157								
15	7506	0.09839	0.19440	0.15452	-0.74004	0.67179	2.03430	1.85865	-0.35304	0.01708	2.02913
		3.03750	-0.36242								
16	7513	-0.81164	0.34487	1.59358	0.57149	2.06004	1.15558	2.50467	-1.19354	-0.55364	0.95398
		2.76948	-0.77774								
17	7517	-1.61829	-0.63642	0.58890	-0.56867	-0.86458	0.96018	3.02454	-2.85126	0.10078	1.50302
		1.39073	-1.66753								
18	7524	-0.37075	1.06257	0.73352	-0.13602	1.66567	2.57596	1.19286	0.65429	0.05058	2.56214
		2.30133	0.41949								
19	7531	-2.61789	0.36361	-0.41113	-2.56862	-1.86425	0.96033	0.02406	0.14867	-0.89914	0.50292
		1.39095	0.33256								
20	7532	2.58276	-1.60058	-3.41173	2.79106	-2.42189	-5.73226	5.46126	-2.37818	-5.08444	-1.11767
		-0.18147	-6.61556								
21	7543	-0.97423	-1.93193	-6.34219	-3.94792	-1.49980	-3.33543	0.05507	-4.95293	-1.98112	-0.85355
		2.09517	-5.94557								
22	7544	1.51288	0.57789	0.18909	1.42733	2.92126	1.47755	2.99306	-5.18705	1.01220	0.48522
		1.48677	-2.57111								
23	7554	-0.50681	-1.77880	0.36542	0.47465	-0.95305	-0.07555	1.44349	-1.01428	-1.39036	1.53031

		1.42632	-0.44067								
24	7557	-0.89635	0.30912	1.76171	-2.37952	-1.29162	-0.81869	0.88761	-2.06300	0.20925	0.59119
		0.98060	-1.36513								
25	7561	-1.76932	0.06196	1.04794	0.30978	0.15062	-1.18627	1.84230	-0.47977	-0.05015	1.25846
		-0.09009	-1.09417								
26	7563	-0.13559	0.14717	-4.06780	-3.97593	-1.95439	-0.90610	2.60094	-5.64160	-3.81834	1.66438
		2.63783	-1.25158								
27	7566	-0.77812	1.00003	2.01079	-1.04915	-0.21710	-1.34625	0.21321	-0.25781	-0.60140	0.52621
		2.05755	-0.06725								
28	7607	-1.37067	0.06256	-0.26646	-1.13596	0.66561	0.57590	0.19281	-0.34572	-1.94940	1.56219
		1.30145	-0.58031								
29	7610	-1.09644	2.16619	0.59569	-0.91503	-1.25422	0.63473	1.44144	-0.71622	-0.01769	2.33376
		2.58723	-0.60090								
30	7616	0.54470	-1.00000	-0.36344	1.51896	-2.10170	-0.19509	4.57346	0.07744	-0.04137	1.86245
		0.64831	-0.42109								
31	7630	-3.65911	-2.24085	-0.07191	-4.10930	-2.37645	-3.07053	0.55136	-3.22662	-1.38370	-0.28193
		0.83304	-3.16817								
32	7642	-2.04430	-0.74768	-3.17064	-5.28277	-3.60068	-5.68974	2.59730	-4.68819	0.75949	1.81944
		1.69860	-3.15285								
33	7652	-2.12468	-0.19848	0.19841	-3.04310	-0.53356	-1.58626	0.17257	-1.61018	-0.72874	-1.31442
		0.71437	0.29474								
34	7665	0.36584	-2.04335	0.26917	-1.20731	0.12594	0.04108	4.11522	0.27793	-1.75955	2.68952
		4.49090	-0.63349								
35	7672	0.73587	-0.67760	1.85882	0.54516	1.93817	2.07833	3.35816	-1.13497	-0.23115	0.97312
		1.77300	-0.10036								
36	7677	-0.45554	0.00000	0.63654	-0.48109	-0.10170	-1.19508	2.57348	-0.92250	-2.04138	3.86256
		2.64830	0.57895								
37	7680	0.22180	0.00000	1.01076	-2.04915	0.78265	-0.34633	2.21305	-1.25767	-1.60141	2.52621
		3.05755	0.93267								
38	7687	0.17120	0.15047	0.82467	-0.15807	-0.23480	0.70109	2.18872	-1.91538	-0.05146	2.88244
		2.34851	-1.45491								
39	7706	-1.03545	-0.21564	0.36372	0.11274	2.07280	-2.25251	-1.50891	-2.46136	-1.81481	1.32323
		0.51645	-3.47817								
40	7709	0.38187	-0.63644	0.58886	0.43132	1.13563	0.96025	1.02439	0.14873	0.10071	0.50290
		1.39093	0.33252								
41	7711	-4.65085	-0.92858	1.19730	-4.66985	-0.49873	-2.56074	0.12793	-0.51449	-0.17167	0.56364
		0.04971	-2.04174								
42	7730	0.39542	0.89405	-8.95488	-2.71904	-3.36428	-4.46379	1.33058	-1.92628	-2.18080	-0.37324
		2.43224	-4.75078								
43	7738	-1.13771	0.00000	0.53198	-2.78430	0.62317	0.17425	2.01502	-1.12787	0.09204	2.66189
		2.32075	-1.12529								
44	7741	-0.78883	0.05373	-0.75578	0.76379	0.53195	0.36145	1.76081	-3.20380	0.04962	-0.35336
		1.18581	-0.61230								
45	7755	1.77328	1.15868	-0.04045	-0.53444	-1.19748	0.32518	1.49417	-0.79371	-1.63210	0.79876
		0.76357	-0.76126								
46	7758	1.73586	0.32240	0.85884	-0.45482	-0.06166	0.07831	2.35816	-2.13493	-2.23115	1.97328
		2.77293	-1.10028								
47	7761	0.77329	0.15866	0.95956	0.46562	-0.19761	1.32519	2.49407	0.20624	0.36793	1.79883
		2.76349	0.23881								
48	7768	-0.77478	-1.05619	-0.77075	-0.60209	-0.53710	1.41855	3.24090	-0.88324	-0.78978	2.85518
		2.68594	-0.39535								
49	7770	-1.73157	-0.62012	0.83683	-2.27074	0.21306	0.79806	0.33975	-0.86320	0.27735	1.08325
		1.43046	-0.43079								
50	7772	-0.97939	-1.30544	-0.22039	-2.49996	-1.72061	0.25275	1.15177	-1.60086	-1.53912	-0.59878
		0.20316	-1.88248								
51	7775	-0.77828	-0.99998	0.01075	-3.04901	-0.21764	-1.34638	0.21297	-2.25765	-2.60145	0.52621
		2.05742	-0.06733								
52	7778	-0.22638	-0.84134	-1.04046	-1.53436	0.80239	-0.67475	0.49407	-1.79383	-0.63199	0.79883
		0.76351	-1.76111								
53	7785	-1.22886	-1.08563	-2.95270	-2.01790	-0.90183	-2.81765	0.29613	-3.14066	-1.57262	-0.46835
		0.73378	-5.18142								
54	7789	-2.69035	-0.34486	1.83685	-2.41997	-2.52808	-0.09794	2.81535	-2.22375	-0.65865	2.11497
		3.49814	-0.71868								
55	7795	-1.73707	-0.02304	-10.93563	-2.40488	1.34158	-6.83079	-0.11266	-1.26060	-10.13538	-3.21303

		2.98575	-3.37925								
56	7800	-0.26453	0.32240	0.85883	-1.45487	0.93814	0.07830	1.35815	-0.13502	0.76885	-0.02686
		0.77303	-1.10037								
57	7801	-3.47077	-1.66666	-0.46801	-4.11772	-1.71023	-2.49236	0.34831	-3.46118	-2.24125	-0.00476
		-0.01262	-3.45865								
58	7808	-3.26235	-0.55816	0.45876	-2.43556	-0.40377	-1.41948	-0.13904	-1.33301	-0.79621	-1.72808
		-0.41584	-2.53159								
59	7816	-2.49875	-0.42887	-3.09705	-0.49356	-1.29418	0.79581	-0.49822	-0.66328	1.52569	1.46213
		2.39123	0.90869								
60	7819	-1.45529	-1.00002	-0.36344	-1.48102	-1.10178	-0.19509	0.57349	-1.92254	-3.04140	1.86268
		1.64830	-0.42109								
61	7828	-1.97916	-0.30545	0.77959	-1.49989	0.27897	-0.74723	3.15176	-0.60084	-0.53907	1.40115
		1.20321	-0.88220								
62	7830	0.91247	-0.09191	1.24767	0.87318	-0.99862	0.69457	1.52998	0.18891	0.25878	2.15059
		1.91019	-0.37159								
63	7832	-2.77816	0.00000	1.01079	-3.04910	-1.21690	-2.34620	1.21325	-2.25791	-1.60137	-1.47393
		1.05762	-2.06737								
64	7833	-4.10603	0.00000	-6.56378	-6.60166	-3.68706	-5.36384	0.23907	-3.86641	0.04476	-1.06934
		0.13543	-2.51848								
65	7838	-1.97423	-0.93194	-5.34222	-2.94789	-2.49993	-2.33536	-0.94485	-3.95296	-0.98111	0.14657
		1.09520	-4.94569								
66	7839	-1.89648	-0.69087	0.76172	-3.37951	-3.29161	-2.81868	-0.11239	-4.06296	-0.79078	-0.40867
		-1.01939	-3.36480								

CORRELATIONS BETWEEN SCORES

		JUDGE1 1	JUDGE2 2	JUDGE3 3	JUDGE4 4	JUDGE5 5	JUDGE6 6	JUOGE7 7	JUDGE8 8	JUDGE9 9	JUDGE10 10
JUDGE1	1	1.0000									
JUDGE2	2	0.2349	1.0000								
JUDGE3	3	0.0911	0.1395	1.0000							
JUDGE4	4	0.6293	0.1844	0.2762	1.0000						
JUDGE5	5	0.2788	0.2623	0.2616	0.4766	1.0000					
JUDGE6	6	0.1184	0.0596	0.2465	0.3466	0.3429	1.0000				
JUOGE7	7	0.4863	-0.0521	0.1760	0.4567	0.0594	0.2128	1.0000			
JUDGE8	8	0.1625	0.1953	0.3228	0.4420	0.2174	0.2745	0.1291	1.0000		
JUDGE9	9	-0.0510	0.1830	0.6254	0.1275	0.0040	0.2138	0.0629	0.2104	1.0000	
JUDGE10	10	0.2931	0.1750	0.4264	0.3029	0.1832	0.4920	0.4192	0.3134	0.3771	1.0000
JUDGE11	11	0.3340	0.2160	-0.0391	0.1724	0.2567	0.2752	0.3240	0.2722	-0.0598	0.5483
JUDGE12	12	0.0993	0.2614	0.5830	0.3097	0.2229	0.3354	0.1452	0.6789	0.4673	0.4885

		JUDGE11 11	JUDGE12 12
JUDGE11	11	1.0000	
JUDGE12	12	0.3635	1.0000

APPENDIX C.

RESULTS OF PREFERENCE PAIRS PROGRAM, 208 VARIABLES.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGES

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.58216	5.712	0.59670	6.069	0.52239	5.394
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(51)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(52)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(137)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(138)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(139)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(140)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(141)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(142)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(143)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(144)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(145)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(146)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(147)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(148)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(149)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(150)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(151)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(152)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(153)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(154)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(155)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(156)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(157)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(158)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(159)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(160)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(161)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(162)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(163)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(164)	-0.0757	-0.412	-0.0981	-1.704	-0.1024	-1.006	0.07907	0.553	0.496
X(165)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(166)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(167)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(168)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(169)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(170)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(171)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(172)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(173)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(174)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(175)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(176)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(177)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(178)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(179)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(180)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(181)	0.0000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.000
X(182)	0.1341	3.067	0.1333	3.947	0.1230	2.714	0.1931	2.123	1.842
X(183)	0.0051	0.349	0.0132	0.796	0.0178	0.707	0.0630	0.662	0.004
X(184)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(185)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(186)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(187)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(188)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(189)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(190)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(191)	-0.1956	-0.930	-0.1032	-0.111	-0.0891	-0.063	-0.0627	-0.553	-0.496
X(192)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(193)	-0.0000	-0.000	-0.0000	-0.000	-0.0000	-0.000	-0.0000	-0.000	-0.000
X(194)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(195)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(196)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(197)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(198)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(199)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000
X(200)	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.0000	0.000	0.000

X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	-0.17721	2.020	-0.15352	1.694	-0.18607	1.897	-0.12893	0.915	-0.14260	0.983
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.74970	0.562	0.75090	0.564	0.75173	0.565	0.75208	0.566	0.75227	0.566

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00861	0.626	0.00881	0.635	0.00893	0.637	0.00872	0.570	0.00860	0.531
X(3)	0.07084	0.455	0.06669	0.420	0.07059	0.413	0.06872	0.384	0.06714	0.351
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.62865	2.556	0.62647	2.537	0.62922	2.505	0.62799	2.471	0.62741	2.453
X(44)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(45)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(46)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(47)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(48)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(49)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(50)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(182)	0.10184	1.845	0.10024	1.774	0.10086	1.755	0.10214	1.502	0.10305	1.317	
X(183)	0.03005	0.946	0.03027	0.950	0.02994	0.926	0.02895	0.674	0.02847	0.600	
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(185)	0.06781	1.197	0.06602	1.133	0.06578	1.125	0.06374	0.774	0.06282	0.688	
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(192)	-0.05281	0.456	-0.05648	0.475	-0.05705	0.477	-0.06120	0.365	-0.06071	0.358	
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(204)	-0.14278	0.982	-0.14747	0.986	-0.14794	0.986	-0.17020	0.262	-0.17402	0.266	
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(208)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.01617	0.035	0.01816	0.039	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.75233	0.566	0.75235	0.566	0.75235	0.566	0.75235	0.566	0.75235	0.566	

	STEP NUMBER 21		STEP NUMBER 22		STEP NUMBER 23	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00862	0.517	0.00864	0.221	0.00913	0.023
X(3)	0.06741	0.342	0.06732	0.284	0.06658	0.105
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	-0.00352	0.001
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(29)	0.0000	0.0000	0.0000	0.0000	0.0000
X(30)	0.0000	0.0000	0.0000	0.0000	0.0000
X(31)	0.0000	0.0000	0.0000	0.0000	0.0000
X(32)	0.0000	0.0000	0.0000	0.0000	0.0000
X(33)	0.0000	0.0000	0.0000	0.0000	0.0000
X(34)	0.0000	0.0000	0.0000	0.0000	0.0000
X(35)	0.0000	0.0000	0.0000	0.0000	0.0000
X(36)	0.0000	0.0000	0.0000	0.0000	0.0000
X(37)	0.0000	0.0000	0.0000	0.0000	0.0000
X(38)	0.0000	0.0000	0.0000	0.0000	0.0000
X(39)	0.0000	0.0000	0.0000	0.0000	0.0000
X(40)	0.0000	0.0000	0.0000	0.0000	0.0000
X(41)	0.0000	0.0000	0.0000	0.0000	0.0000
X(42)	0.0000	0.0000	0.0000	0.0000	0.0000
X(43)	0.0000	0.0000	0.0000	0.0000	0.0000
X(44)	0.0000	0.0000	0.0000	0.0000	0.0000
X(45)	0.0000	0.0000	0.0000	0.0000	0.0000
X(46)	0.0000	0.0000	0.0000	0.0000	0.0000
X(47)	0.0000	0.0000	0.0000	0.0000	0.0000
X(48)	0.0000	0.0000	0.0000	0.0000	0.0000
X(49)	0.0000	0.0000	0.0000	0.0000	0.0000
X(50)	0.0000	0.0000	0.0000	0.0000	0.0000
X(51)	0.0000	0.0000	0.0000	0.0000	0.0000
X(52)	0.0000	0.0000	0.0000	0.0000	0.0000
X(53)	0.0000	0.0000	0.0000	0.0000	0.0000
X(54)	0.0000	0.0000	0.0000	0.0000	0.0000
X(55)	0.0000	0.0000	0.0000	0.0000	0.0000
X(56)	0.0000	0.0000	0.0000	0.0000	0.0000
X(57)	0.0000	0.0000	0.0000	0.0000	0.0000
X(58)	0.0000	0.0000	0.0000	0.0000	0.0000
X(59)	0.0000	0.0000	0.0000	0.0000	0.0000
X(60)	0.0000	0.0000	0.0000	0.0000	0.0000
X(61)	0.0000	0.0000	0.0000	0.0000	0.0000
X(62)	0.0000	0.0000	0.0000	0.0000	0.0000
X(63)	0.0000	0.0000	0.0000	0.0000	0.0000
X(64)	0.0000	0.0000	0.0000	0.0000	0.0000
X(65)	0.0000	0.0000	0.0000	0.0000	0.0000
X(66)	0.0000	0.0000	0.0000	0.0000	0.0000
X(67)	0.0000	0.0000	0.0000	0.0000	0.0000
X(68)	0.0000	0.0000	0.0000	0.0000	0.0000
X(69)	0.0000	0.0000	0.0000	0.0000	0.0000
X(70)	0.0000	0.0000	0.0000	0.0000	0.0000
X(71)	0.0000	0.0000	0.0000	0.0000	0.0000
X(72)	0.0000	0.0000	0.0000	0.0000	0.0000
X(73)	0.0000	0.0000	0.0000	0.0000	0.0000
X(74)	0.0000	0.0000	0.0000	0.0000	0.0000
X(75)	0.0000	0.0000	0.0000	0.0000	0.0000
X(76)	0.0000	0.0000	0.0000	0.0000	0.0000
X(77)	0.0000	0.0000	0.0000	0.0000	0.0000
X(78)	0.0000	0.0000	0.0000	0.0000	0.0000
X(79)	0.0000	0.0000	0.0000	0.0000	0.0000
X(80)	0.0000	0.0000	0.0000	0.0000	0.0000
X(81)	0.0000	0.0000	0.0000	0.0000	0.0000
X(82)	0.0000	0.0000	0.0000	0.0000	0.0000
X(83)	0.0000	0.0000	0.0000	0.0000	0.0000
X(84)	0.0000	0.0000	0.0000	0.0000	0.0000
X(85)	0.0000	0.0000	0.0000	0.0000	0.0000
X(86)	0.0000	0.0000	0.0000	0.0000	0.0000
X(87)	0.0000	0.0000	0.0000	0.0000	0.0000
X(88)	0.0000	0.0000	0.0000	0.0000	0.0000
X(89)	0.0000	0.0000	0.0000	0.0000	0.0000
X(90)	0.0000	0.0000	0.0000	0.0000	0.0000
X(91)	-0.12068	0.561	-0.12071	-0.552	0.402
X(92)	-0.0000	0.600	-0.0000	0.600	0.000

X(93)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(94)	0.17916	0.578	0.17894	0.401	0.17111	0.027
X(95)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(96)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(97)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(98)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(99)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(100)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(101)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(102)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(103)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(104)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(105)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(106)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(107)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(108)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(109)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(110)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(111)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(112)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(113)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(114)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(115)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(116)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(117)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(118)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(119)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(120)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(121)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(122)	0.17702	1.393	0.17711	0.981	0.17953	0.092
X(123)	-0.00224	0.025	-0.00232	0.016	-0.00447	0.003
X(124)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(125)	-0.00699	0.014	-0.00752	0.008	-0.01478	0.002
X(126)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(127)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(128)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(129)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(130)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(131)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(132)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(133)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(134)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(135)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(136)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(137)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(138)	-0.00340	0.006	-0.00280	0.003	0.00880	0.001
X(139)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(140)	0.09689	0.150	0.09651	0.112	0.08530	0.009
X(141)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(142)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(143)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(144)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(145)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(146)	1.07728	3.541	1.07650	0.899	1.06355	0.101
X(147)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(148)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(149)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(150)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(151)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(152)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(153)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(154)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(155)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(156)	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(157)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(158)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(159)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(160)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(161)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(162)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(163)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(164)	-0.14645	1.585	-0.14661	0.565	-0.14968	0.060
X(165)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(166)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(167)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(168)	0.00000	0.000	0.00008	0.001	0.00168	0.001
X(169)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(170)	0.02328	0.122	0.02346	0.071	0.02739	0.009
X(171)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(172)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(173)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(174)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(175)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(176)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(177)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(178)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(179)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(180)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(181)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(182)	0.10260	0.938	0.10252	0.644	0.10039	0.058
X(183)	0.02865	0.516	0.02871	0.255	0.03039	0.022
X(184)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(185)	0.06298	0.661	0.06304	0.468	0.06525	0.037
X(186)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(187)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(188)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(189)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(190)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(191)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(192)	-0.06142	0.296	-0.06141	0.295	-0.06012	0.057
X(193)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(194)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(195)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(196)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(197)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(198)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(199)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(200)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(201)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(202)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(203)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(204)	-0.17360	0.257	-0.17251	0.099	-0.14301	0.006
X(205)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(206)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(207)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(208)	0.01833	0.039	0.01760	0.015	-0.00313	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.75235	0.566	0.75235	0.566	0.75235	0.566

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGES

1	7250	1.41443
2	7311	0.61993
3	7369	0.98633
4	7405	0.33293
5	7420	1.54544
6	7428	-0.33360
7	7429	0.55757
8	7437	0.73387
9	7439	2.71203
10	7447	1.81596
11	7450	0.73988
12	7458	0.43783
13	7464	0.70151
14	7465	-0.33591
15	7506	1.72214
16	7513	1.54377
17	7517	1.21212
18	7524	3.18503
19	7531	0.87868
20	7532	0.80124
21	7543	-0.26560
22	7544	2.22899
23	7554	1.20884
24	7557	0.58584
25	7561	-0.02952
26	7563	0.22584
27	7566	0.97364
28	7607	2.18490
29	7610	1.20367
30	7616	1.85433
31	7630	-0.99332
32	7642	-1.08344
33	7652	-0.23796
34	7665	3.70133
35	7672	2.07918
36	7677	1.85438
37	7680	1.30691
38	7687	0.82786
39	7706	0.39898
40	7709	1.79548
41	7711	-0.48856
42	7730	0.80912
43	7738	0.89099
44	7741	0.38375
45	7755	1.58323
46	7758	1.49591
47	7761	2.41662
48	7768	2.16438
49	7770	0.41597
50	7772	0.46326
51	7775	0.14029
52	7778	0.99989
53	7785	-0.77720
54	7789	2.25769
55	7795	-0.72326
56	7800	1.32916
57	7801	-1.19240
58	7808	-0.48114
59	7816	-0.27875
60	7819	0.85444
61	7828	1.37996
62	7830	1.10121
63	7832	-0.27636
64	7833	-1.40060

65 7838 0.06785
66 7839 -0.83082

655

Appendix D.

Transformed, 43 Variable Data Set.

```
0101 7250 0 0 0 0 1 0 0 0 0 0 0
0102 01 00 00 00 00
0103 00 04 00 00 03
0104 04 03 00 00 01
0105 05 00 02 00 00
0106 00 00 00 00 00
0107 02 04 00 15 06
0108 04
0201 7311 0 0 0 0 1 0 0 0 0 0 0
0202 00 00 00 00 00
0203 00 07 04 01 04
0204 01 03 00 04 05
0205 05 00 03 00 00
0206 00 00 00 00 00
0207 00 00 00 21 00
0208 00
0301 7369 0 0 0 0 1 0 0 0 0 0 0
0302 01 00 00 00 00
0303 00 03 00 00 01
0304 01 06 00 00 01
0305 00 00 05 01 00
0306 00 00 00 00 00
0307 00 00 00 15 01
0308 12
0401 7405 0 0 0 0 1 0 0 0 0 0 1
0402 05 00 00 00 00
0403 00 05 02 01 02
0404 01 00 00 00 02
0405 00 00 13 02 00
0406 00 00 00 00 00
0407 00 00 00 21 04
0408 00
0501 7420 0 0 0 0 1 0 0 0 0 0 1
0502 00 00 00 00 00
0503 01 04 02 00 02
0504 02 00 00 02 03
0505 00 00 18 01 00
0506 00 01 00 00 00
0507 00 00 00 25 00
0508 00
0601 7428 0 0 0 0 1 0 0 0 0 0 0
0602 01 00 00 00 00
0603 00 04 02 00 03
0604 02 03 01 02 01
0605 00 02 00 07 00
0606 00 00 00 00 00
0607 00 01 00 10 07
0608 08
0701 7429 0 0 0 0 0 0 0 0 0 0 0
0702 00 00 00 00 00
0703 00 08 03 01 04
0704 00 00 00 00 01
0705 00 00 06 01 00
0706 02 02 00 00 02
0707 00 00 00 07 05
0708 08
0801 7437 0 0 0 0 1 0 0 0 0 0 1
0802 01 00 00 00 00
0803 00 05 03 00 00
```

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0804 02 01 02 00 00
0805 00 00 00 00 00
0806 01 00 00 00 00
0807 00 13 01 18 08
0808 00
0901 7439 0 0 0 0 0 1 0 0 0 0 0
0902 01 00 00 00 00
0903 01 04 02 00 01
0904 05 02 00 00 00
0905 00 00 02 01 08
0906 00 00 00 00 01
0907 00 01 00 26 00
0908 00
1001 7447 0 0 0 0 1 0 0 0 0 1 0
1002 00 00 00 00 00
1003 00 04 01 00 01
1004 01 11 01 00 01
1005 01 01 00 00 00
1006 00 00 00 00 01
1007 00 07 00 27 00
1008 00
1101 7450 1 0 0 1 1 0 0 0 0 0 0
1102 01 00 00 00 00
1103 01 07 03 01 04
1104 02 00 00 00 00
1105 05 00 06 00 02
1106 00 00 00 00 02
1107 00 00 14 04 02
1108 00
1201 7458 0 0 0 0 0 1 0 0 0 0 0
1202 01 00 00 00 00
1203 00 04 03 00 02
1204 02 01 00 02 00
1205 01 00 07 00 01
1206 00 00 00 00 00
1207 00 00 08 17 01
1208 00
1301 7464 0 0 0 0 1 0 0 0 0 0 0
1302 02 00 00 00 00
1303 00 05 04 00 03
1304 02 01 00 01 00
1305 00 00 09 00 03
1306 00 00 01 01 02
1307 00 03 00 20 04
1308 00
1401 7465 0 0 0 0 1 0 0 0 0 0 1
1402 03 02 00 00 00
1403 00 09 03 00 04
1404 02 01 00 00 03
1405 00 00 05 00 00
1406 00 00 00 00 00
1407 00 02 00 02 15
1408 02
1501 7506 0 0 0 0 1 0 0 0 0 0 0
1502 01 00 00 00 00
1503 00 03 01 00 00
1504 02 02 00 00 00
1505 00 00 03 01 00
1506 00 01 00 00 00
1507 00 00 00 29 00
1508 00
1601 7513 0 0 0 0 1 0 0 0 0 0 1
1602 00 00 01 00 00
1603 00 02 00 00 04
```

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1604 01 00 00 00 03
1605 00 00 07 04 00
1606 01 00 00 00 00
1607 00 00 00 19 07
1608 00
1701 7517 1 0 0 1 0 1 0 0 0 0 1
1702 00 00 01 00 00
1703 00 03 01 00 02
1704 02 03 02 01 01
1705 00 00 00 00 00
1706 01 00 00 00 00
1707 00 19 00 24 03
1708 00
1801 7524 0 0 0 0 1 0 0 0 0 0 0
1802 00 00 00 01 00
1803 02 02 02 00 02
1804 00 03 00 01 04
1805 00 00 02 00 05
1806 00 00 00 00 02
1807 00 00 00 26 00
1808 00
1901 7531 0 0 0 0 1 0 0 0 0 0 1
1902 00 00 00 00 00
1903 00 07 04 00 01
1904 05 02 03 02 01
1905 00 00 00 00 03
1906 00 01 00 00 00
1907 00 07 00 20 04
1908 00
2001 7532 0 0 0 0 1 0 0 0 0 0 1
2002 00 00 00 03 04
2003 00 13 03 01 01
2004 00 01 01 07 00
2005 05 02 00 00 00
2006 02 00 02 00 00
2007 00 00 00 00 06
2008 12
2101 7543 0 0 0 0 1 0 0 0 0 0 1
2102 04 00 03 01 00
2103 00 15 03 02 03
2104 01 07 00 01 01
2105 00 00 00 01 01
2106 00 00 00 00 00
2107 00 00 00 04 07
2108 03
2201 7544 1 0 0 0 0 1 0 0 0 0 1
2202 00 00 00 00 00
2203 04 01 00 00 00
2204 00 02 00 00 13
2205 00 00 04 00 00
2206 02 01 02 00 00
2207 00 00 00 20 07
2208 00
2301 7554 0 0 0 0 1 0 0 0 0 0 1
2302 00 00 02 00 00
2303 00 06 01 00 03
2304 00 01 02 00 00
2305 04 02 05 00 00
2306 00 00 00 00 00
2307 00 04 00 16 07
2308 00
2401 7557 0 0 0 0 0 1 0 0 0 0 1
2402 01 00 00 00 00
2403 00 10 00 01 03
```

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2404 00 00 00 00 04
2405 00 00 07 00 01
2406 00 00 00 00 04
2407 00 00 00 11 07
2408 01
2501 7561 0 0 0 0 1 0 0 1 0 0 1
2502 00 00 00 00 00
2503 00 09 03 01 04
2504 00 00 00 00 00
2505 00 01 08 00 00
2506 01 00 00 00 01
2507 00 07 00 08 08
2508 03
2601 7563 0 0 0 0 1 0 0 0 0 0 1
2602 00 00 00 00 00
2603 00 10 04 01 04
2604 00 00 00 01 03
2605 01 00 07 00 00
2606 01 00 00 00 00
2607 07 00 00 15 00
2608 03
2701 7566 0 0 0 0 1 0 0 0 0 0 1
2702 03 00 00 02 00
2703 00 04 02 00 04
2704 00 00 00 01 02
2705 01 00 08 00 04
2706 00 03 00 00 00
2707 00 00 00 00 21
2708 03
2801 7607 0 0 0 0 1 0 0 0 0 0 1
2802 02 00 00 00 00
2803 00 05 01 00 02
2804 01 01 00 00 03
2805 00 00 12 00 03
2806 00 01 00 00 02
2807 03 05 00 14 09
2808 02
2901 7610 0 0 0 0 1 0 0 0 0 0 0
2902 01 00 00 00 00
2903 02 02 01 00 00
2904 02 04 03 00 00
2905 00 00 00 00 00
2906 00 00 00 00 00
2907 00 00 00 28 00
2908 00
3001 7616 1 0 1 0 0 0 1 0 1 0 0
3002 00 00 00 00 00
3003 00 06 02 00 03
3004 03 02 01 00 01
3005 00 00 16 00 00
3006 02 00 00 00 00
3007 00 01 00 23 00
3008 00
3101 7630 0 0 0 0 1 0 0 0 0 0 1
3102 00 00 00 00 00
3103 00 17 03 02 04
3104 00 00 00 01 06
3105 00 00 01 00 00
3106 00 00 00 00 00
3107 00 00 00 08 00
3108 03
3201 7642 0 0 0 0 0 1 0 0 1 0 0
3202 00 00 00 00 00
3203 00 17 04 00 00
```

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3204 02 00 00 00 00
3205 00 01 10 00 01
3206 01 00 00 00 01
3207 09 00 00 14 00
3208 01
3301 7652 0 0 0 0 0 0 0 0 0 0 1
3302 00 00 00 00 00
3303 00 15 05 00 03
3304 02 00 00 00 01
3305 02 00 00 00 00
3306 00 00 00 00 00
3307 00 06 00 01 05
3308 08
3401 7665 0 0 0 0 1 0 0 0 0 0 1
3402 02 00 00 04 00
3403 00 03 02 00 03
3404 02 02 00 00 02
3405 05 00 10 00 02
3406 00 00 00 00 00
3407 00 11 00 17 07
3408 02
3501 7672 0 0 0 0 1 0 0 0 0 0 0
3502 00 00 00 00 00
3503 02 00 00 00 00
3504 00 03 00 01 02
3505 00 00 10 00 00
3506 02 02 00 00 00
3507 00 07 00 27 03
3508 00
3601 7677 0 0 0 0 1 0 0 0 0 0 1
3602 01 00 00 00 00
3603 00 07 02 00 04
3604 02 01 00 00 00
3605 00 00 07 00 00
3606 01 00 00 00 01
3607 00 00 00 15 02
3608 04
3701 7680 0 0 0 0 1 0 0 0 0 0 0
3702 02 00 00 01 00
3703 00 04 02 00 02
3704 01 03 00 00 01
3705 02 00 09 00 00
3706 00 00 00 00 00
3707 00 00 00 12 11
3708 03
3801 7687 0 0 0 0 1 0 0 0 0 0 0
3802 02 00 00 00 00
3803 00 03 02 00 04
3804 00 01 00 00 03
3805 00 01 04 00 00
3806 00 00 00 00 00
3807 00 00 00 25 00
3808 00
3901 7706 0 0 0 0 1 0 0 0 0 1 0
3902 01 00 00 00 00
3903 02 03 01 00 00
3904 00 11 00 00 00
3905 00 00 00 00 00
3906 00 00 00 00 00
3907 00 00 00 02 09
3908 16
4001 7709 0 0 0 0 1 0 0 0 1 0 0
4002 00 00 00 00 00
4003 02 05 01 00 01
```


099

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4004 01 00 00 00 00
4005 00 00 11 00 00
4006 00 00 00 00 00
4007 04 00 00 15 09
4008 00
4101 7711 0 0 0 0 1 0 0 0 0 0 1
4102 09 00 00 00 00
4103 00 19 06 04 04
4104 00 01 00 00 00
4105 00 00 00 00 00
4106 00 00 00 00 00
4107 00 09 00 02 03
4108 04
4201 7730 0 0 0 0 1 0 0 0 0 0 1
4202 00 00 00 02 00
4203 00 16 06 01 03
4204 02 01 01 01 01
4205 00 01 01 01 01
4206 00 00 00 00 00
4207 12 02 00 04 06
4208 03
4301 7738 0 0 0 0 0 1 0 0 0 1 0
4302 00 00 00 00 00
4303 00 09 03 01 02
4304 00 01 00 00 00
4305 00 00 06 03 00
4306 00 00 00 00 00
4307 00 04 00 17 04
4308 00
4401 7741 0 0 0 0 0 1 0 0 0 0 0 1
4402 03 00 00 00 00
4403 00 03 02 00 03
4404 00 04 00 00 03
4405 01 01 04 00 00
4406 00 00 00 00 00
4407 00 04 00 15 05
4408 06
4501 7755 0 0 0 0 1 0 1 0 0 0 0 0
4502 00 25 00 00 00
4503 00 01 01 00 02
4504 00 01 01 00 03
4505 02 00 06 01 00
4506 00 01 01 01 00
4507 00 00 00 16 13
4508 00
4601 7758 0 0 0 0 0 1 0 0 0 0 0 1
4602 02 00 00 00 00
4603 00 04 00 00 02
4604 02 00 00 01 04
4605 00 00 05 00 02
4606 01 00 01 00 01
4607 00 00 00 26 00
4608 00
4701 7761 0 0 0 0 0 0 1 0 0 0 0 0
4702 00 00 00 00 00
4703 00 00 00 00 00
4704 00 00 00 00 00
4705 00 00 11 00 01
4706 00 01 00 00 01
4707 00 00 01 31 00
4708 00
4801 7768 0 0 0 0 0 0 1 0 0 1 0 0
4802 02 02 02 01 00
4803 00 05 04 00 01
```

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4804 02 01 00 00 02
4805 03 01 02 00 00
4806 00 00 00 00 00
4807 00 00 00 26 00
4808 00
4901 7770 0 0 0 0 1 0 0 0 0 0 0
4902 00 00 00 00 00
4903 00 05 03 00 00
4904 02 03 00 00 01
4905 00 00 02 00 00
4906 00 00 00 00 00
4907 00 08 00 11 07
4908 09
5001 7772 0 0 0 0 1 0 0 0 0 0 1
5002 00 00 00 01 00
5003 00 09 01 00 02
5004 05 01 01 00 00
5005 00 00 03 00 00
5006 00 00 00 00 00
5007 00 21 00 13 08
5008 00
5101 7775 0 0 0 0 1 0 0 0 1 0 1
5102 01 00 00 00 00
5103 00 03 01 00 00
5104 01 01 00 03 06
5105 00 00 04 01 01
5106 00 00 00 01 01
5107 00 03 00 09 09
5108 11
5201 7778 0 0 0 0 1 0 0 0 0 0 1
5202 01 00 00 00 00
5203 00 04 01 00 02
5204 00 01 00 00 04
5205 01 00 09 01 01
5206 00 01 00 00 00
5207 00 03 00 06 17
5208 03
5301 7785 0 0 0 0 1 0 0 0 0 0 1
5302 00 00 00 00 00
5303 00 07 04 00 00
5304 01 01 00 00 00
5305 01 01 02 00 00
5306 00 02 00 00 00
5307 00 09 00 03 16
5308 06
5401 7789 0 0 0 0 1 0 0 0 0 0 0
5402 00 00 01 02 00
5403 00 07 02 00 01
5404 00 00 04 01 01
5405 00 00 00 00 00
5406 00 00 00 00 00
5407 00 05 00 22 00
5408 02
5501 7795 0 0 0 0 1 0 0 0 0 0 1
5502 02 00 00 00 00
5503 00 03 00 00 04
5504 00 00 00 00 00
5505 00 00 07 03 00
5506 00 01 00 00 00
5507 00 00 00 00 00
5508 25
5601 7800 0 0 0 0 1 0 0 0 0 0 1
5602 00 00 00 01 00
5603 00 02 01 00 01
```

```
5604 00 01 00 01 01
5605 03 00 11 01 00
5606 00 00 00 00 00
5607 00 04 00 00 25
5608 04
5701 7801 0 0 0 0 0 0 0 0 0 0 0
5702 01 04 01 00 00
5703 00 10 03 02 04
5704 00 00 00 00 00
5705 00 00 09 00 01
5706 00 00 00 00 00
5707 00 00 00 04 05
5708 09
5801 7808 0 0 0 0 1 0 0 0 0 0 1
5802 01 05 00 00 00
5803 00 11 03 02 04
5804 00 00 01 00 00
5805 00 00 02 00 00
5806 00 00 00 00 00
5807 00 05 00 00 11
5808 06
5901 7816 0 0 0 0 0 1 0 0 0 0 1
5902 01 00 00 00 00
5903 00 14 02 01 03
5904 08 06 02 02 00
5905 01 02 02 00 00
5906 00 00 00 00 00
5907 00 03 00 03 05
5908 07
6001 7819 0 0 0 0 1 0 0 0 0 0 0
6002 00 00 03 00 00
6003 00 05 02 00 00
6004 00 10 02 02 00
6005 00 00 00 00 01
6006 00 01 00 00 00
6007 00 00 00 20 06
6008 01
6101 7828 0 0 0 0 1 0 0 0 0 0 0
6102 00 00 00 01 00
6103 00 08 03 01 04
6104 00 00 00 00 02
6105 00 00 04 01 02
6106 01 00 00 00 00
6107 00 00 00 12 07
6108 01
6201 7830 0 0 0 0 1 0 0 0 1 0 0
6202 00 00 00 00 00
6203 00 01 01 00 04
6204 00 02 01 00 00
6205 02 01 04 00 00
6206 00 00 00 00 00
6207 00 00 00 21 06
6208 00
6301 7832 0 0 0 0 1 0 0 0 0 0 0
6302 00 00 00 00 00
6303 00 17 05 02 04
6304 00 00 00 00 00
6305 00 00 03 00 00
6306 00 00 00 01 00
6307 00 02 00 11 00
6308 00
6401 7833 0 0 0 0 1 0 0 0 0 0 1
6402 00 00 00 00 00
6403 00 22 04 04 04
```

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6404  00 00 00 00 00
6405  00 00 02 00 00
6406  00 00 00 01 00
6407  14 00 00 02 04
6408  00
6501  7838 1 0 0 0 0 1 0 0 1 0 1
6502  00 00 00 00 00
6503  00 04 02 00 04
6504  02 05 03 00 02
6505  00 00 04 01 00
6506  00 00 00 00 00
6507  00 02 00 01 09
6508  14
6601  7839 0 0 0 0 1 0 0 0 1 0 1
6602  02 00 00 00 00
6603  00 09 02 00 01
6604  00 00 07 05 00
6605  00 00 00 00 00
6606  00 00 00 00 00
6607  00 09 00 01 20
6608  01
```

Appendix E.

Results of BMDP Preference Pairs Program, 43 Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE1

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.76648	2.599
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	-0.12600	2.792	-0.15369	3.592	-0.17366	4.605	-0.17170	5.196
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	-0.24079	2.312	-0.27361	3.010	-0.37075	4.215
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	1.57096	2.779	1.61463	3.258
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.16116	3.119	-0.18875	4.083	-0.18288	4.337	-0.18562	5.087	-0.19780	6.122
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55371	0.307	0.70307	0.494	0.77520	0.601	0.84631	0.716	0.89088	0.794

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.75187	3.042	0.70315	3.195	0.57546	2.615	0.69204	3.045	0.73063	3.335
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.25075	1.734	0.27112	1.933	0.23021	1.680
X(19)	-0.05880	1.242	-0.01804	0.398	0.00498	0.111	0.00275	0.064	0.00826	0.199
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	-0.82552	2.940	-1.15059	4.050	-1.24579	4.557	-1.21190	4.574	-1.19256	4.695
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.47134	5.801	-0.51079	6.910	-0.48867	6.899	-0.49787	7.249	-0.50151	7.622
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.15856	1.446	0.20089	1.849
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	-0.20163	2.374	-0.21266	2.648	-0.21359	2.754	-0.19834	2.647
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.17799	1.509
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	1.38268	3.271	1.40131	3.739	1.58896	4.301	1.46141	3.977	1.44759	4.114
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.20016	7.390	-0.19593	8.139	-0.18633	7.977	-0.19043	8.378	-0.19253	8.830
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.92908	0.863	0.94806	0.899	0.95694	0.916	0.96264	0.927	0.96830	0.938

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	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.48791	1.678	-0.52489	1.864
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.21902	1.182	0.35630	1.885	0.45985	2.314
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.65122	2.966	0.66670	4.231	0.65554	4.227	0.78128	4.849	0.69689	4.142
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.24633	1.852	0.20673	2.151	0.25105	2.472	0.21101	2.188	0.24765	2.551
X(19)	0.00861	0.214	0.01120	0.389	0.03419	0.995	0.02619	0.819	0.03724	1.166
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	-1.26029	5.030	-1.50070	7.804	-1.58924	7.820	-1.49994	7.717	-1.52194	8.094
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.50216	7.890	-0.68881	9.830	-0.71222	9.943	-0.66252	9.171	-0.63266	8.633
X(26)	0.00000	0.000	0.27538	3.511	0.34420	3.564	0.31379	3.461	0.34065	3.795
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.17408	1.629	0.26228	3.252	0.33177	3.363	0.37378	3.970	0.37621	4.146
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.01612	1.302
X(31)	-0.21129	2.892	-0.33222	5.297	-0.38782	5.003	-0.38720	5.430	-0.38688	5.631
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.23124	1.919	0.39146	4.006	0.43903	4.217	0.50256	4.881	0.54806	5.210
X(34)	-0.11820	1.377	-0.27254	3.603	-0.27370	3.683	-0.26874	3.927	-0.29502	4.278
X(35)	1.40487	4.111	1.35014	5.497	1.32963	5.496	1.27915	5.696	1.34771	6.052
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.18891	8.890	-0.20057	12.857	-0.19478	12.105	-0.18832	12.313	-0.18158	11.626
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.97269	0.946	0.98721	0.975	0.98879	0.978	0.99147	0.983	0.99297	0.986

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.74147	2.521	-0.88402	2.628	-0.81747	2.180	-0.67031	1.251	-0.62128	0.871
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	-0.23498	0.911	-0.23492	0.859	-0.09141	0.203	-0.08634	0.166
X(7)	0.52592	2.799	0.36262	1.388	0.36918	1.331	0.46809	1.226	0.46514	1.057
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.75579	4.739	0.74742	4.622	0.72348	4.099	0.70310	3.536	0.70771	3.059
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.10449	0.426	-0.11819	0.395
X(13)	0.00000	0.000	0.00000	0.000	0.03302	0.576	0.05015	0.674	0.05831	0.558
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.03716	0.137
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.22204	2.443	0.22992	2.487	0.26509	2.295	0.23596	1.643	0.23664	1.431
X(19)	0.03700	1.257	0.04217	1.391	0.04598	1.400	0.05587	1.307	0.05672	1.143
X(20)	-0.08499	1.560	-0.09880	1.727	-0.09688	1.594	-0.07942	1.017	-0.06693	0.522
X(21)	-1.40587	7.459	-1.42516	7.423	-1.42709	7.007	-1.52519	4.763	-1.55965	3.492
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.57115	7.306	-0.54944	6.648	-0.53851	6.004	-0.57980	4.206	-0.60149	2.681
X(26)	0.32736	3.939	0.31648	3.725	0.31130	3.437	0.34048	2.828	0.35171	2.183
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.38443	4.592	0.38233	4.509	0.37582	4.146	0.37136	3.726	0.38284	2.692
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.01991	1.708	0.01955	1.655	0.02053	1.624	0.02139	1.531	0.01947	0.910
X(31)	-0.35695	5.399	-0.34127	4.938	-0.32245	4.018	-0.35616	3.015	-0.36605	2.376
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.59716	5.863	0.57705	5.472	0.57339	5.118	0.56523	4.558	0.54966	3.010
X(34)	-0.29806	4.691	-0.29847	4.640	-0.30256	4.411	-0.29679	3.894	-0.28801	2.649
X(35)	1.35173	6.591	1.32470	6.316	1.30698	5.819	1.32748	5.305	1.31416	4.321
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(43)	-0.18370	12.715	-0.18703	12.405	-0.18189	9.931	-0.17471	6.678	-0.17536	5.753	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.99479	0.990	0.99542	0.991	0.99571	0.991	0.99590	0.992	0.99592	0.992	

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.52300	0.257	-0.44929	0.037
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	-0.05357	0.061	-0.01898	0.003
X(7)	0.49553	0.632	0.51754	0.140
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.70694	2.494	0.70352	1.036
X(11)	0.00000	0.000	0.00000	0.000
X(12)	-0.13032	0.302	-0.14769	0.052
X(13)	0.07204	0.251	0.08050	0.057
X(14)	0.00000	0.000	0.00151	0.006
X(15)	0.00000	0.000	0.00000	0.000
X(16)	-0.06572	0.104	-0.08130	0.031
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.26064	0.529	0.26561	0.251
X(19)	0.06318	0.467	0.06771	0.090
X(20)	-0.05184	0.160	-0.04220	0.026
X(21)	-1.59361	1.900	-1.62863	0.284
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	-0.62174	1.328	-0.64012	0.212
X(26)	0.36462	1.168	0.37581	0.203
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.40442	0.919	0.41209	0.299
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.01822	0.520	0.01745	0.131
X(31)	-0.37269	1.650	-0.38103	0.277
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.53580	1.564	0.52724	0.362
X(34)	-0.27266	0.861	-0.26592	0.227
X(35)	1.33662	2.379	1.32974	0.978
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.07152	0.053	0.10879	0.017
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	-0.17249	2.641	-0.17076	0.582
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99593	0.992	0.99593	0.992

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE2

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.08018	2.283	-0.07474	2.238	
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(28)	0.00000	0.000	0.00000	0.000	0.39038	2.149	0.38616	2.339	0.42265	2.681	
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(31)	0.00000	0.000	0.36417	2.679	0.33289	2.634	0.32126	2.795	0.28426	2.565	
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(37)	0.46875	2.489	0.48013	2.884	0.54015	3.457	0.52660	3.705	0.50624	3.748	
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.20601	1.786	
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.46875	0.220	0.64694	0.419	0.72639	0.528	0.79329	0.629	0.82771	0.685	

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.97882	3.341
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.28711	1.847	-0.35372	2.321	-0.23854	1.476	-0.17206	1.163	-0.19559	1.734
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.05717	1.744	-0.06504	2.071	-0.10415	2.711	-0.09625	2.782	-0.11678	4.319
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.75686	6.680	0.79412	7.714	0.74548	7.128	0.79681	7.311	0.83353	6.979
X(38)	-0.06960	1.002	-0.06568	1.057	-0.04178	0.675	-0.02148	0.346	-0.05482	0.732
X(39)	0.00000	0.000	-0.02645	2.006	-0.02296	1.783	-0.01559	1.134	-0.01660	1.182
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01500	0.829
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.12994	5.226	-0.13142	5.911	-0.12943	6.060	-0.13632	6.374	-0.15689	4.755
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.97220	0.945	0.97972	0.960	0.98309	0.966	0.98572	0.972	0.98686	0.974

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-1.61005	3.722	-1.69487	3.821	-1.86673	3.651	-1.65726	3.129	-1.95190	2.947
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	-0.44746	1.716	-0.42824	1.629	-0.57265	1.730	-0.60566	1.876	-0.48164	1.299
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.44016	0.811
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	-0.08783	1.064	-0.11909	1.337	-0.13710	1.440	-0.14745	1.586	-0.17722	1.706
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.37326	3.296	-0.31539	2.451	-0.20732	1.069	-0.03581	0.148	0.15112	0.442
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.13645	3.059	-0.13954	3.105	-0.12846	2.635	-0.10159	1.920	-0.11206	1.972
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.32805	1.135	0.38859	1.307	0.22603	0.605	-0.08511	0.187	-0.04847	0.102
X(22)	0.26426	3.187	0.29859	3.295	0.35033	3.031	0.40637	3.315	0.56299	2.429
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.49418	5.382	0.56235	4.837	0.54909	4.513	0.45858	3.220	0.48111	3.176
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.07953	1.139	-0.10442	1.319
X(28)	0.24074	2.369	0.24558	2.402	0.20132	1.669	0.05719	0.332	0.15509	0.715
X(29)	0.00000	0.000	0.00000	0.000	-0.33321	0.768	-0.87193	1.376	-1.09501	1.526
X(30)	0.00000	0.000	0.01919	0.964	0.01777	0.858	0.01386	0.679	0.02685	1.006
X(31)	0.26231	3.083	0.29327	3.210	0.34090	3.012	0.42841	3.194	0.51695	2.909
X(32)	0.08042	1.638	0.10678	1.893	0.08764	1.379	0.04362	0.599	0.06988	0.844
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.81139	6.746	0.87965	6.279	0.83026	5.230	0.76717	4.681	0.84130	4.332
X(38)	-0.05611	0.755	-0.03390	0.434	-0.02537	0.310	-0.09654	0.956	-0.09791	0.927
X(39)	-0.01517	1.085	-0.00572	0.333	-0.00628	0.353	-0.02145	0.983	0.00184	0.050
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	-0.02050	1.098	-0.01945	1.035	-0.01677	0.848	-0.02201	1.114	-0.00266	0.084
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.17296	4.799	-0.17973	4.871	-0.16819	4.094	-0.14688	3.332	-0.13732	2.886
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98870	0.978	0.99022	0.981	0.99126	0.983	0.99341	0.987	0.99460	0.989

STEP NUMBER 21		STEP NUMBER 22	
COEFF	T-VAL	COEFF	T-VAL

X(2)	-2.10413	2.138	-2.08319	0.146
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	-0.42366	0.852	-0.42291	0.485
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.57254	0.695	0.56207	0.078
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	-0.21572	1.122	-0.20983	0.052
X(14)	0.00000	0.000	0.00000	0.000
X(15)	0.17067	0.408	0.16661	0.059
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	-0.07470	0.264	-0.06459	0.009
X(19)	-0.12513	1.482	-0.12557	0.395
X(20)	0.00000	0.000	0.00000	0.000
X(21)	-0.02329	0.040	-0.01162	0.001
X(22)	0.60113	1.913	0.59838	0.312
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.45532	2.200	0.46321	0.086
X(26)	0.00000	0.000	0.00000	0.000
X(27)	-0.10373	1.087	-0.10335	0.356
X(28)	0.17303	0.641	0.17263	0.366
X(29)	-1.08588	1.256	-1.07668	0.169
X(30)	0.02678	0.834	0.02718	0.100
X(31)	0.49963	2.232	0.50288	0.225
X(32)	0.08517	0.739	0.08381	0.089
X(33)	0.00000	0.000	-0.00615	0.001
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.81808	3.275	0.82908	0.111
X(38)	-0.09396	0.734	-0.09365	0.341
X(39)	0.00923	0.177	0.00896	0.045
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00197	0.047	0.00158	0.006
X(42)	0.00000	0.000	0.00000	0.000
X(43)	-0.14215	2.364	-0.14259	0.465
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99478	0.990	0.99478	0.990

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE3

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	-0.11533	2.866	-0.13385	3.587	-0.15071	4.248	-0.14362	4.160
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.82303	1.556
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.50000	2.708	0.48198	3.006	0.55394	3.730	0.46998	3.280	0.46284	3.347
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.04805	2.082	-0.05202	2.322
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	-0.09213	2.359	-0.09737	2.686	-0.09593	2.743
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.50000	0.250	0.67886	0.461	0.76039	0.578	0.81028	0.657	0.83502	0.697

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	-1.05811	1.659	-1.48365	2.529	-1.65629	2.922
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.35231	1.601
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.15120	4.589	-0.14411	4.632	-0.14881	5.016	-0.13399	5.014	-0.13250	5.224
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	-0.11063	1.764	-0.12522	2.111	-0.12475	2.216	-0.12288	2.493	-0.18510	3.044
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.35364	2.360	0.26768	1.762	
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(35)	-0.88931	1.772	-0.90729	1.929	-0.90042	2.016	-0.78149	1.983	-0.65494	1.714	
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(37)	0.42731	3.228	0.39939	3.197	0.37023	3.088	0.26755	2.354	0.29222	2.684	
X(38)	0.00000	0.000	-0.18390	1.834	-0.18155	1.907	-0.19335	2.316	-0.22220	2.736	
X(39)	-0.04476	2.073	-0.04067	1.998	-0.04220	2.182	-0.04869	2.838	-0.03174	1.635	
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(43)	-0.11008	3.233	-0.10321	3.213	-0.11162	3.611	-0.10878	4.016	-0.10322	3.981	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.86261	0.744	0.88801	0.789	0.90628	0.821	0.93391	0.872	0.94511	0.893	

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0:00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.38866	1.805
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-1.64393	3.535	-1.71249	3.929	-1.70260	4.030	-1.79143	4.269	-2.25080	4.964
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	-0.78041	3.251	-0.92082	3.848	-0.92163	3.973	-1.04486	4.201	-0.89325	3.758
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.03025	1.208	-0.04294	1.829
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	-0.21834	1.308	-0.23157	1.416	-0.26963	1.824
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.10889	4.826	-0.10075	4.662	-0.10691	4.980	-0.10109	4.693	-0.08763	4.242
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	-0.26566	4.573	-0.30457	5.161	-0.31641	5.464	-0.33634	5.703	-0.31334	5.775
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.16311	1.667	0.21452	2.090	0.26300	2.433	0.31113	3.103
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	-0.02050	0.125	-0.04077	0.266	-0.08908	0.581	-0.11203	0.742	-0.02007	0.139
X(34)	0.29349	2.706	0.34763	3.270	0.39845	3.618	0.45338	3.879	0.47314	4.503
X(35)	-0.33035	0.984	-0.40397	1.277	-0.43403	1.412	-0.01005	0.022	0.03953	0.095
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.34915	3.805	0.37609	4.316	0.37631	4.456	0.35134	4.127	0.22566	2.187
X(38)	-0.25961	3.816	-0.28818	4.382	-0.31174	4.707	-0.33453	4.959	-0.29373	4.560
X(39)	-0.00296	0.154	0.00691	0.367	0.00425	0.232	0.01102	0.586	-0.00044	0.024
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.09822	4.601	-0.10136	5.065	-0.11290	5.299	-0.10854	5.133	-0.11019	5.821
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.96627	0.934	0.97317	0.947	0.97714	0.955	0.98036	0.961	0.98608	0.972

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	-0.60462	2.347	-0.71287	3.234	0.59381	5.751	0.39905	6.130	0.38937	13.828
X(7)	0.00000	0.000	0.00000	0.000	1.32489	13.666	1.16238	20.014	1.16503	46.514
X(8)	-2.35319	5.392	-2.43355	6.675	-1.04732	8.713	-1.27735	16.742	-1.28268	38.967
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	-0.69356	2.587	-0.82789	3.565	-1.26331	24.301	-1.21411	45.792	-1.21190	105.912
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	-0.06397	2.369	-0.10722	3.472	-0.17144	23.792	-0.17352	51.552	-0.17515	116.792
X(15)	0.00000	0.000	0.31750	2.037	0.95977	17.615	0.88405	28.975	0.88794	67.344
X(16)	-0.31425	2.184	-0.66929	3.167	-1.18095	22.322	-1.09081	34.189	-1.08987	79.222
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.21512	1.376	0.42288	2.561	0.73011	19.810	0.69902	37.885	0.70426	87.513
X(19)	-0.07458	3.426	-0.08311	4.479	-0.08327	25.373	-0.08388	55.036	-0.08397	127.727
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	-0.29283	5.466	-0.42174	5.452	-0.68337	29.040	-0.65303	50.695	-0.65336	117.633
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.38623	3.523	0.68105	3.983	1.20594	24.668	1.16657	47.979	1.17104	111.167
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.00491	4.303
X(33)	0.01769	0.127	-0.04382	0.366	-0.03058	1.441	-0.02794	2.841	-0.02897	6.824
X(34)	0.47481	4.764	0.60452	5.789	0.85829	32.768	0.84011	65.643	0.84331	151.468
X(35)	0.33785	0.753	0.90556	1.946	1.82875	17.175	1.75996	34.066	1.78131	78.060
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.15336	4.402	0.15882	10.536
X(37)	0.16728	1.568	0.14989	1.684	0.19404	12.076	0.17226	19.293	0.17084	44.220
X(38)	-0.28799	4.703	-0.35928	5.820	-0.51546	32.611	-0.49281	55.130	-0.49572	126.689
X(39)	-0.00420	0.243	0.01170	0.717	0.04632	12.058	0.04151	19.898	0.04124	45.731
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.10677	5.891	-0.10336	6.825	-0.03905	7.212	-0.04753	15.044	-0.04703	34.405
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98906	0.978	0.99355	0.987	0.99983	1.000	0.99997	1.000	1.00000	1.000

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.03933	3.195	0.04076	1.374
X(6)	0.40777	27.005	0.40143	3.698
X(7)	1.16871	93.722	1.16294	11.814
X(8)	-1.25754	69.413	-1.26391	11.500
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000

X(12)	-1.22342	181.998	-1.22172	40.444
X(13)	0.00000	0.000	0.00000	0.000
X(14)	-0.17610	219.816	-0.17608	144.781
X(15)	0.89353	132.052	0.89206	33.684
X(16)	-1.10108	143.551	-1.10032	65.540
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.70592	175.459	0.70568	100.880
X(19)	-0.08474	209.137	-0.08478	95.050
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	-0.65789	212.456	-0.65733	63.345
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000
X(28)	1.17320	222.798	1.17218	62.959
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00051	0.060
X(32)	-0.00472	8.303	-0.00474	5.475
X(33)	-0.03903	10.307	-0.03933	5.363
X(34)	0.84761	276.011	0.84710	87.600
X(35)	1.78098	157.429	1.77891	46.438
X(36)	0.14922	18.530	0.14981	9.945
X(37)	0.17540	73.456	0.17504	25.522
X(38)	-0.49924	223.909	-0.49875	57.378
X(39)	0.04146	91.640	0.04134	20.308
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	-0.04700	69.350	-0.04730	9.289
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	1.00000	1.000	1.00000	1.000

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE4

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	-0.13476	2.655	-0.13268	2.829	-0.13699	3.176	-0.15288	3.663
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.28013	2.164	-0.25565	2.076
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.97346	2.147	1.19671	2.788	1.35797	3.267
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	1.11111	3.804	0.90897	3.371	0.91210	3.662	0.84337	3.650	0.83776	3.833
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.07668	1.802
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.62994	0.397	0.74056	0.548	0.79562	0.633	0.84000	0.706	0.86635	0.751

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.63998	2.112	0.71034	2.699	0.77691	3.046	0.80911	3.401
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.36029	1.561	0.39472	1.831
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.11936	2.837	-0.10418	2.670	-0.11012	3.260	-0.08898	2.542	-0.07203	2.124
X(20)	-0.29920	2.006	-0.34231	2.490	-0.42227	3.438	-0.43011	3.662	-0.45485	4.130
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	-0.18675	1.569	-0.22726	2.063	-0.18167	1.876	-0.19959	2.141	-0.16569	1.867
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.10921	1.783
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	1.61128	3.980	1.58047	4.279	1.61848	5.069	1.51834	4.871	1.43249	4.874
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.89106	4.369	0.86877	4.665	0.91180	5.639	0.96464	6.100	1.00398	6.749
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	-0.04975	2.540	-0.04148	2.133	-0.05695	2.839

X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.10266	2.476	-0.11402	2.987	-0.13305	3.936	-0.11517	3.361	-0.09827	2.955
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.89348	0.798	0.91775	0.842	0.94324	0.890	0.95187	0.906	0.96152	0.925

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.39037	1.670	0.46641	2.001	0.29176	1.024	0.16106	0.544
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.77776	3.599	0.77548	3.847	0.73778	3.745	0.82134	3.886	0.94463	4.147
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.39216	1.246
X(13)	-0.17921	1.961	-0.16731	1.955	-0.17066	2.062	-0.21704	2.325	-0.32993	2.575
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.64390	2.764	0.71820	3.237	0.72987	3.399	0.69101	3.189	0.61587	2.815
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.05739	1.815	-0.02871	0.841	0.02564	0.488	0.03302	0.626	0.00086	0.015
X(20)	-0.45732	4.584	-0.47163	5.046	-0.47503	5.254	-0.46036	5.059	-0.48725	5.359
X(21)	0.00000	0.000	0.00000	0.000	-0.34361	1.328	-0.38849	1.489	-0.16959	0.550
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	-0.16273	2.024	-0.07852	0.869	-0.07060	0.806	-0.11723	1.200	-0.13934	1.444
X(27)	-0.11886	2.134	-0.15165	2.731	-0.16273	2.994	-0.15876	2.930	-0.20742	3.166
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	1.14278	3.753	0.95232	3.112	0.78951	2.464	0.79041	2.481	0.99980	2.840
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.06874	1.054	0.10736	1.523
X(33)	1.02396	7.578	1.11616	8.111	1.15953	8.463	1.13518	8.213	1.18236	8.482
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	-0.05507	3.027	-0.06028	3.493	-0.07282	3.797	-0.06689	3.364	-0.07712	3.677
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.09969	3.309	-0.07643	2.436	-0.07198	2.358	-0.08347	2.588	-0.11995	2.798
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.97100	0.943	0.97693	0.954	0.98043	0.961	0.98259	0.965	0.98544	0.971

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.37932	0.706	0.51251	0.622	0.60137	0.565	1.04282	0.390

X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.07401	0.228	-0.06121	0.158	-0.07772	0.181	-0.10373	0.206	-0.22195	0.258
X(8)	-0.47387	0.758	-0.48161	0.742	-0.32387	0.328	-0.45719	0.336	-0.59232	0.343
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	1.05499	3.827	1.12362	3.719	1.03071	1.975	1.05797	1.751	1.07694	1.536
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.39831	1.231	0.56095	1.378	0.50818	1.017	0.50545	0.907	0.48537	0.748
X(13)	-0.35877	2.617	-0.41321	2.554	-0.40634	2.272	-0.42463	1.864	-0.44446	1.573
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01545	0.186
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.61884	2.752	0.53831	2.072	0.58313	1.696	0.58408	1.524	0.55275	1.173
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.00253	0.043	-0.01347	0.213	-0.00138	0.016	0.00397	0.039	0.00779	0.066
X(20)	-0.49473	5.265	-0.51598	5.056	-0.50491	4.165	-0.50594	3.742	-0.49110	2.813
X(21)	-0.14300	0.449	-0.10627	0.317	-0.21592	0.359	-0.22655	0.337	-0.28324	0.341
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	-0.16090	1.560	-0.17158	1.587	-0.17994	1.459	-0.17675	1.274	-0.18816	1.102
X(27)	-0.19759	2.882	-0.22911	2.728	-0.23251	2.508	-0.23521	2.249	-0.23309	1.933
X(28)	0.00000	0.000	0.00000	0.000	-0.07753	0.230	-0.07583	0.201	-0.09517	0.214
X(29)	1.02634	2.824	1.12463	2.797	1.02149	1.628	1.03927	1.469	1.07542	1.288
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00775	0.166	0.01872	0.235
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.12902	1.656	0.15681	1.744	0.14674	1.367	0.16428	1.028	0.19053	0.823
X(33)	1.19211	8.288	1.18417	7.910	1.13883	4.445	1.14581	3.971	1.10129	2.694
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	-0.07385	3.359	-0.08775	2.912	-0.09115	2.531	-0.08906	2.118	-0.09066	1.849
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.13380	2.806	-0.15624	2.657	-0.14461	1.770	-0.14818	1.584	-0.15451	1.371
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98656	0.973	0.98759	0.975	0.98772	0.976	0.98781	0.976	0.98795	0.976

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	1.32795	0.320	1.33207	0.226
X(6)	0.00000	0.000	0.00000	0.000
X(7)	-0.25175	0.233	-0.24826	0.152
X(8)	-0.49621	0.218	-0.45604	0.061
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.94967	0.665	0.93017	0.242
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.33866	0.220	0.32010	0.084
X(13)	-0.40820	0.861	-0.40123	0.298
X(14)	-0.03299	0.176	-0.03287	0.124
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.65017	0.621	0.66871	0.194
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.02277	0.115	0.02448	0.061
X(20)	-0.47293	1.762	-0.46945	0.675

X(21)	-0.45025	0.249	-0.46487	0.131
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	-0.19864	0.868	-0.20132	0.364
X(27)	-0.22591	1.405	-0.22616	0.978
X(28)	-0.15628	0.202	-0.17264	0.058
X(29)	0.98994	0.776	0.94953	0.135
X(30)	0.02581	0.222	0.02530	0.136
X(31)	0.00000	0.000	0.00805	0.006
X(32)	0.17874	0.592	0.17313	0.168
X(33)	1.03374	1.316	1.02587	0.595
X(34)	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000
X(36)	0.24523	0.111	0.24987	0.078
X(37)	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000
X(39)	-0.09191	1.509	-0.09184	1.057
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	-0.13789	0.679	-0.13342	0.166
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98802	0.976	0.98802	0.976

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE5

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-1.18547	2.211	-1.14810	2.381
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.81250	2.427	0.87173	2.974	0.86075	3.469	0.78213	3.404	0.79132	3.830
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	-0.41926	3.052	-0.45889	3.614	-0.42683	3.713
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.47382	2.800	0.59565	4.006	0.57924	4.251	0.61802	5.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-1.12746	2.348	
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.45962	0.211	0.65242	0.426	0.77983	0.608	0.82965	0.688	0.87258	0.761	

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-1.51671	3.449	-1.44151	3.636	-1.51767	4.469	-1.01189	2.960	-0.93739	3.014
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-1.53435	2.688	-1.28504	2.425
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.33348	2.039
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.61831	3.249	0.48903	2.712	0.37599	2.354	0.40420	3.001	0.54009	3.893
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	-0.17417	2.638	-0.18844	3.380	-0.21673	4.149
X(23)	0.00000	0.000	-0.19429	2.252	-0.22193	2.984	-0.20763	3.309	-0.23970	4.075
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	-0.41282	4.144	-0.43519	4.835	-0.49196	6.166	-0.47546	7.059	-0.51472	8.065
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.64107	5.975	0.66457	6.856	0.68345	8.230	0.69230	9.906	0.73701	11.027
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.49194	2.654	0.49815	2.992	0.53620	3.753	0.56543	4.689	0.57887	5.305
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	-1.15217	2.772	-1.15291	3.089	-1.12766	3.538	-1.14456	4.270	-1.14819	4.742
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.91175	0.831	0.93376	0.872	0.95525	0.913	0.97072	0.942	0.97789	0.956

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	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-1.04268	4.674	-0.95071	5.204	-1.18138	5.565	-1.26799	5.854	-1.38102	5.134
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-1.15101	3.039	-1.08802	3.559	-0.88945	2.948	-0.75416	2.425	-0.63645	1.788
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	-0.72686	2.743	-0.57811	2.250	-0.54960	2.198	-0.35073	0.948
X(12)	0.54664	4.209	0.67756	5.896	0.63289	5.847	0.71759	5.786	0.73227	5.689
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.64337	6.272	0.70708	8.243	0.65273	7.737	0.66598	8.078	0.65274	7.554
X(19)	0.00000	0.000	0.00000	0.000	-0.02799	1.765	-0.03364	2.104	-0.04182	2.119
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	-0.21643	5.823	-0.27040	7.552	-0.23377	6.024	-0.21298	5.199	-0.18937	3.598
X(23)	-0.26647	6.273	-0.29383	8.250	-0.30162	9.164	-0.31192	9.480	-0.31183	9.240
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.03387	1.281	0.04378	1.449
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	-0.45545	9.459	-0.49764	11.934	-0.48355	12.395	-0.48646	12.840	-0.48264	12.313
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.15199	0.745
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.75216	15.759	0.85373	15.999	0.81423	15.149	0.80448	15.278	0.74182	7.422
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.79038	8.197	0.73974	9.272	0.74358	10.173	0.77118	10.413	0.78660	9.991
X(34)	-0.26253	3.699	-0.29146	5.017	-0.31859	5.753	-0.34973	5.934	-0.36027	5.803
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	-1.46033	7.612	-1.52886	9.774	-1.41775	9.061	-1.40469	9.240	-1.33722	7.416
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98973	0.980	0.99391	0.988	0.99536	0.991	0.99608	0.992	0.99633	0.993

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-1.49748	4.056	-1.55315	3.725	-1.65877	3.028	-1.72411	2.404	-1.73944	2.039
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-0.52096	1.178	-0.46039	0.931	-0.29080	0.398	-0.20421	0.214	-0.16322	0.132
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	-0.19829	0.398	-0.22469	0.420	-0.13364	0.210	-0.15168	0.211	-0.11997	0.128
X(12)	0.72979	5.390	0.74326	5.019	0.76196	4.495	0.77860	3.676	0.77526	3.120
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00913	0.073
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.62131	5.590	0.62867	5.245	0.64161	4.744	0.63961	4.234	0.64577	3.340
X(19)	-0.05112	1.819	-0.05019	1.671	-0.05229	1.579	-0.05477	1.384	-0.05557	1.184
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	-0.16041	1.983	-0.15792	1.827	-0.14055	1.319	-0.12907	0.950	-0.12121	0.638
X(23)	-0.31025	8.710	-0.31466	7.965	-0.32354	6.458	-0.32864	5.211	-0.33034	4.327
X(24)	0.05256	1.442	0.05297	1.363	0.06030	1.276	0.06690	1.030	0.06904	0.859
X(25)	0.00000	0.000	0.02151	0.404	0.05330	0.486	0.06680	0.461	0.07807	0.344
X(26)	-0.47709	11.166	-0.49818	7.189	-0.50412	6.543	-0.51770	4.457	-0.51923	3.829
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.02438	0.173	-0.02412	0.149
X(29)	0.22308	0.862	0.21469	0.776	0.24164	0.780	0.22070	0.604	0.23394	0.510
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.69911	5.124	0.71007	4.800	0.69321	4.134	0.70198	3.628	0.69856	3.064
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.79438	9.427	0.78889	8.685	0.77448	7.233	0.76676	6.023	0.75781	3.972
X(34)	-0.37150	5.372	-0.36959	5.004	-0.37952	4.458	-0.38720	3.700	-0.38881	3.169
X(35)	-0.13894	0.490	-0.16023	0.523	-0.20509	0.574	-0.21900	0.540	-0.25339	0.383
X(36)	-1.23417	4.362	-1.22947	4.074	-1.20830	3.632	-1.20779	3.259	-1.18196	2.136
X(37)	0.00000	0.000	0.00000	0.000	0.04584	0.341	0.04875	0.323	0.06430	0.235
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99646	0.993	0.99655	0.993	0.99663	0.993	0.99665	0.993	0.99666	0.993

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	-1.74363	1.641	-1.73837	0.420
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	-0.00638	0.001
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	-0.14488	0.083	-0.15149	0.028
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	-0.11344	0.096	-0.10764	0.024
X(12)	0.77600	2.534	0.77510	0.980
X(13)	0.01540	0.047	0.01581	0.029
X(14)	0.00000	0.000	0.00000	0.000
X(15)	-0.01432	0.022	-0.01365	0.013
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.64374	2.527	0.64366	1.765
X(19)	-0.05551	0.965	-0.05556	0.622
X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000
X(22)	-0.12108	0.521	-0.12083	0.321
X(23)	-0.33378	1.803	-0.33341	0.884
X(24)	0.07351	0.320	0.07347	0.225
X(25)	0.07852	0.282	0.07787	0.126
X(26)	-0.51781	2.900	-0.51706	0.854
X(27)	0.00000	0.000	0.00000	0.000
X(28)	-0.02467	0.123	-0.02307	0.019
X(29)	0.25633	0.217	0.25938	0.093

X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.69221	1.707	0.69081	0.589
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.75350	2.450	0.75466	0.789
X(34)	-0.38969	2.503	-0.38942	1.313
X(35)	-0.26123	0.294	-0.26064	0.196
X(36)	-1.16768	1.232	-1.16356	0.352
X(37)	0.06842	0.177	0.06821	0.120
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99666	0.993	0.99666	0.993

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE6

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.82339	2.497	1.06522	3.379	1.11590	3.974
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.49913	2.345	0.57632	3.007
X(19)	0.00000	0.000	-0.13358	3.179	-0.11181	2.897	-0.09127	2.538	-0.02676	0.648
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.09659	4.807	0.08868	5.192	0.06801	3.913	0.05206	3.043	0.10752	3.960
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.08185	2.465

X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUARED
	0.71571	0.512	0.81896	0.671	0.86543	0.749	0.89739	0.805	0.92437	0.854

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.49439	1.477
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	1.00871	3.982	1.05443	4.553	1.04980	4.971	1.07310	5.299	0.94876	4.478
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.66624	3.823	0.82945	4.707	0.78322	4.828	0.74270	4.721	0.79528	5.124
X(19)	0.00715	0.182	0.02760	0.745	0.02028	0.597	0.02724	0.831	0.04880	1.407
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.16559	2.126	0.15730	2.211	0.17097	2.492	0.16959	2.574
X(24)	0.00000	0.000	0.00000	0.000	0.09319	2.060	0.08958	2.068	0.08195	1.955
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.56837	1.550	-0.55508	1.576
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.31825	2.412	0.31716	2.640	0.34975	3.160	0.35025	3.310	0.40997	3.749
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.13363	5.055	0.13467	5.596	0.12135	5.305	0.12122	5.541	0.13312	5.917
X(42)	0.12679	3.635	0.13672	4.260	0.12299	4.098	0.12626	4.388	0.14114	4.799
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUAREO
	0.94422	0.892	0.95679	0.915	0.96648	0.934	0.97147	0.944	0.97562	0.952

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.51008	1.589	0.40676	1.203	0.53020	1.494	1.34734	1.554	1.53220	1.673
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.67128	0.793
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.93688	4.608	1.00644	4.672	1.04057	4.810	0.83489	2.844	0.69659	2.009
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-1.16924	1.032	-1.52012	1.227

X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.80397	5.398	0.87095	5.316	0.92803	5.420	0.98438	5.494	1.00067	5.435
X(19)	0.04414	1.321	0.06144	1.627	0.08609	1.957	0.12329	2.172	0.14377	2.266
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.15297	2.384	0.13904	2.114	0.20935	2.262	0.31032	2.308	0.42239	2.144
X(24)	0.06505	1.555	0.05259	1.203	0.06263	1.410	0.07038	1.567	0.06503	1.403
X(25)	0.00000	0.000	0.10055	0.986	0.14851	1.342	0.11371	0.986	0.12205	1.032
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.18316	1.463	0.24304	1.745	0.19256	1.318	0.11111	0.671	0.01776	0.086
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	-0.64485	1.879	-0.71582	2.039	-0.87709	2.310	-0.97383	2.498	-1.47434	1.976
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.39729	3.776	0.50731	3.307	0.55092	3.493	0.53186	3.360	0.52708	3.258
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	-0.02611	1.073	-0.05335	1.488	-0.08726	1.551
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.13575	6.272	0.13923	6.341	0.14941	6.282	0.17878	4.828	0.19832	4.394
X(42)	0.13068	4.492	0.13344	4.561	0.15605	4.347	0.19712	3.684	0.22499	3.463
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.97935	0.959	0.98104	0.962	0.98302	0.966	0.98483	0.970	0.98594	0.972

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.77539	1.680	1.93702	1.613	1.72639	1.315	1.57319	0.981	1.49789	0.763
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	1.13549	0.925	1.25786	0.934	1.55398	1.037	1.48310	0.876	1.33600	0.569
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.64158	1.703	0.56100	1.241	0.67931	1.322	0.75384	1.148	0.81104	0.890
X(8)	-1.93633	1.288	-2.05810	1.260	-1.72741	0.957	-1.50476	0.676	-1.33993	0.454
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	1.01638	5.215	0.99437	4.616	0.94049	3.864	0.92414	3.306	0.90112	2.363
X(19)	0.16160	2.184	0.15982	2.021	0.13952	1.556	0.12941	1.189	0.11984	0.791
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.56427	1.702	0.62658	1.615	0.74702	1.648	0.74222	1.473	0.72786	1.225

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X(24)	0.08014	1.435	0.06985	1.072	0.08479	1.163	0.08617	1.062	0.08056	0.760
X(25)	0.11012	0.876	0.05935	0.317	0.01150	0.054	0.00123	0.005	-0.02207	0.064
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	-0.12594	0.370	-0.17529	0.456	-0.34464	0.705	-0.33645	0.618	-0.30420	0.441
X(29)	0.00000	0.000	0.00000	0.000	-0.30513	0.621	-0.28842	0.524	-0.30311	0.468
X(30)	0.00000	0.000	-0.01486	0.390	-0.03767	0.691	-0.04315	0.663	-0.05122	0.494
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.03461	0.230	-0.04692	0.229
X(32)	-0.04556	0.547	-0.07180	0.644	-0.14296	0.870	-0.15174	0.814	-0.16077	0.701
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.02882	0.113
X(35)	-1.86034	1.767	-2.05391	1.673	-2.42144	1.699	-2.39457	1.509	-2.31525	1.182
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.51215	2.986	0.45657	1.968	0.37062	1.318	0.35022	1.078	0.31096	0.608
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	-0.12781	1.349	-0.14650	1.310	-0.18298	1.388	-0.18153	1.238	-0.17675	1.015
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.21559	3.793	0.22603	3.410	0.21918	3.094	0.21285	2.553	0.20709	1.903
X(42)	0.25838	2.827	0.27316	2.611	0.28179	2.532	0.27566	2.180	0.26628	1.587
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98652	0.973	0.98686	0.974	0.98780	0.976	0.98796	0.976	0.98801	0.976

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.53032	0.598	1.48094	0.112
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	1.39868	0.420	1.42254	0.184
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.78851	0.621	0.80856	0.148
X(8)	-1.41062	0.345	-1.35500	0.088
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	-0.00253	0.004
X(15)	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.90903	1.771	0.91036	1.135
X(19)	0.12600	0.506	0.12281	0.138
X(20)	-0.00954	0.037	-0.00542	0.005
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.73344	0.987	0.73315	0.696
X(24)	0.07982	0.608	0.08161	0.165
X(25)	-0.00932	0.017	-0.01085	0.013
X(26)	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000
X(28)	-0.31021	0.361	-0.31053	0.255
X(29)	-0.28434	0.302	-0.29238	0.119
X(30)	-0.04878	0.342	-0.04864	0.237
X(31)	-0.04333	0.161	-0.04564	0.064
X(32)	-0.15739	0.533	-0.15919	0.255
X(33)	0.00000	0.000	0.00000	0.000
X(34)	0.02253	0.063	0.02379	0.040
X(35)	-2.35620	0.892	-2.32854	0.290
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.32359	0.454	0.31878	0.199
X(38)	0.00000	0.000	0.00000	0.000

X(39)	-0.17963	0.791	-0.17900	0.497
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.21072	1.275	0.20809	0.290
X(42)	0.27060	1.146	0.26812	0.372
X(43)	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98802	0.976	0.98802	0.976

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE7

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.14224	2.224	-0.18281	3.079
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.54115	2.722	0.67002	3.514	0.82741	4.551
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.76593	2.434
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.87482	3.998	0.98376	5.028	0.99003	5.537	1.00778	6.318
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.09659	4.563	0.08179	4.886	0.10652	6.179	0.11922	7.115	0.13124	8.344
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.69728	0.486	0.84159	0.708	0.88722	0.787	0.91167	0.831	0.93431	0.873

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.88354	2.419	0.96603	2.890	
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(15)	0.38588	2.647	0.42386	3.045	0.42749	3.438	0.53166	4.570	0.52359	4.952	
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(24)	-0.28022	4.432	-0.30492	4.977	-0.28734	5.198	-0.31142	6.346	-0.30974	6.949	
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(28)	1.00164	5.870	1.08657	6.467	1.00441	6.502	1.00594	7.492	0.99808	8.181	
X(29)	0.77529	2.845	0.81715	3.165	0.74686	3.209	0.70438	3.469	0.69455	3.765	
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.06640	1.994	
X(33)	1.13050	7.759	1.12347	8.171	1.25717	9.212	1.40984	10.493	1.45918	11.720	
X(34)	0.00000	0.000	0.00000	0.000	-0.20728	2.248	-0.21553	2.687	-0.25471	3.375	
X(35)	0.00000	0.000	-0.70927	1.762	-0.82966	2.282	-0.86239	2.727	-0.93175	3.221	
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(41)	0.13855	9.970	0.14006	10.662	0.13010	10.372	0.12070	10.427	0.11680	10.924	
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	
	0.95395	0.910	0.96159	0.925	0.97141	0.944	0.97993	0.960	0.98466	0.970	

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.83399	2.519	0.78296	2.352	0.70131	2.118	0.56812	1.629	0.62652	1.980
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.44412	3.896	0.45760	4.010	0.42881	3.773	0.48768	3.924	0.67574	4.350
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.36202	1.749
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.15981	1.109	-0.27747	1.895
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	-0.08145	1.502	-0.06971	1.265	-0.08567	1.551	-0.10152	1.799	-0.13168	2.450
X(24)	-0.29612	6.804	-0.30902	6.871	-0.31824	7.155	-0.33639	7.169	-0.41191	6.812
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	-0.06305	1.251	-0.05996	1.202	-0.06712	1.485
X(28)	1.00507	8.620	1.02143	8.728	0.98750	8.418	0.98904	8.527	1.18413	7.742
X(29)	0.72580	4.092	0.74999	4.214	0.75045	4.324	0.68846	3.815	0.79667	4.574
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.07699	2.364	0.07590	2.341	0.08480	2.616	0.08559	2.670	0.11742	3.436
X(33)	1.42057	11.678	1.41487	11.679	1.37632	11.272	1.36674	11.293	1.35172	12.342
X(34)	-0.26052	3.610	-0.25845	3.598	-0.22882	3.095	-0.27125	3.287	-0.21070	2.566
X(35)	-0.84657	3.002	-0.98928	3.179	-0.91947	2.979	-1.04275	3.211	-1.22412	3.939
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	-0.29545	1.060	-0.62055	1.650	-0.81946	1.985	-0.96459	2.528
X(41)	0.12024	11.490	0.12602	10.722	0.12954	10.975	0.13396	10.863	0.14354	11.575
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98711	0.974	0.98831	0.977	0.98990	0.980	0.99112	0.982	0.99358	0.987

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.51531	1.785	0.61236	1.995	0.68519	1.989	1.78936	1.208	3.23133	0.913
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	-0.09658	0.966	-0.11581	1.053	-0.16134	1.249	-0.18798	1.210
X(14)	-0.03364	1.759	-0.04121	1.986	-0.04195	1.912	-0.01841	0.481	0.01565	0.183
X(15)	0.72779	5.146	0.90952	3.857	0.90558	3.637	1.28303	2.308	1.63138	1.668
X(16)	-0.44883	2.353	-0.48342	2.479	-0.42392	1.868	-0.23688	0.697	0.08211	0.104
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.07150	0.461
X(21)	-0.31845	2.405	-0.36666	2.580	-0.35060	2.304	-0.88120	1.243	-1.52466	0.950
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	-0.15284	3.098	-0.13677	2.615	-0.12629	2.188	-0.13366	2.191	-0.13066	1.911
X(24)	-0.43545	7.850	-0.50020	5.738	-0.47769	4.831	-0.46024	4.355	-0.36940	1.607
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	-0.09201	2.157	-0.11785	2.332	-0.12734	2.296	-0.16935	2.126	-0.20556	1.732
X(28)	1.26261	8.812	1.32752	8.355	1.25797	6.240	1.24934	5.929	1.13768	3.368
X(29)	0.85121	5.383	0.71250	3.327	0.67989	2.930	0.11898	0.155	-0.64436	0.345
X(30)	0.00000	0.000	0.00000	0.000	0.01150	0.621	0.03925	0.958	0.08122	0.797
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.12101	3.969	0.14053	3.829	0.14803	3.649	0.17921	3.055	0.21571	2.098

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X(33)	1.33230	13.578	1.36392	13.129	1.40481	10.986	1.63920	4.921	1.94375	2.562
X(34)	-0.17161	2.247	-0.14004	1.679	-0.17091	1.691	-0.23402	1.750	-0.34238	1.229
X(35)	-0.90689	2.746	-0.84578	2.504	-0.71750	1.742	-0.71517	1.663	-0.64985	1.299
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	-1.30330	3.338	-1.51950	3.364	-1.51410	3.175	-1.23228	1.993	-0.59435	0.384
X(41)	0.15067	12.812	0.15337	12.630	0.14693	8.913	0.05347	0.435	-0.07758	0.246
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.10842	0.768	-0.24924	0.725
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99555	0.991	0.99615	0.992	0.99643	0.993	0.99689	0.994	0.99710	0.994

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	-0.25821	0.232	-0.26003	0.149
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000
X(11)	3.19011	0.745	3.20066	0.427
X(12)	0.00000	0.000	-0.00238	0.002
X(13)	-0.22809	0.894	-0.22815	0.631
X(14)	0.01013	0.096	0.01032	0.061
X(15)	1.62116	1.370	1.62435	0.757
X(16)	0.12577	0.129	0.12758	0.081
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000
X(20)	0.07128	0.380	0.07176	0.215
X(21)	-1.42637	0.718	-1.43072	0.427
X(22)	0.00000	0.000	0.00000	0.000
X(23)	-0.10261	0.701	-0.10195	0.293
X(24)	-0.36293	1.300	-0.36288	0.918
X(25)	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000
X(27)	-0.20633	1.438	-0.20610	0.919
X(28)	1.08574	2.333	1.08538	1.607
X(29)	-0.62968	0.279	-0.63555	0.158
X(30)	0.08909	0.697	0.08929	0.449
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.22110	1.749	0.22113	1.234
X(33)	1.98870	2.122	1.99047	1.311
X(34)	-0.36778	1.039	-0.36812	0.707
X(35)	-0.52214	0.639	-0.52277	0.441
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	-0.65111	0.345	-0.64594	0.188
X(41)	-0.06898	0.180	-0.06983	0.107
X(42)	-0.23165	0.548	-0.23250	0.334
X(43)	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99717	0.994	0.99717	0.994

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE8

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.53302	2.601	-0.65797	3.436
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.15945	2.662	-0.20662	3.823	-0.22878	4.591	-0.20145	4.462	-0.16152	3.677
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	-0.39282	2.938	-0.37551	3.095	-0.35048	3.266	-0.25999	2.507
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.18932	2.360
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	-0.11620	2.366	-0.15550	3.393	-0.16705	4.032
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.49365	0.244	0.68118	0.464	0.76239	0.581	0.83137	0.691	0.87417	0.764

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.88607	3.175
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.66297	3.688	-0.64348	3.653	-0.66515	3.900	-0.61316	4.061	-0.60061	5.105
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.15753	3.815	-0.14337	3.441	-0.12586	3.004	-0.11476	3.103	-0.09420	3.190
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.22995	2.330	-0.09009	0.637	-0.03894	0.277	0.03765	0.295	0.00523	0.052
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.35184	2.358	0.58846	4.263
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.26633	3.095	0.27117	3.224	0.29484	3.565	0:30463	4.200	0.32930	5.774
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	-0.81330	1.481	-1.23608	2.408	-1.52022	3.710
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.28990	1.352	0.33754	1.612	0.49040	2.522	0.62717	3.982
X(38)	0.25151	1.849	0.28425	2.106	0.30204	2.310	0.29748	2.597	0.19269	2.026
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.17758	4.517	-0.19646	4.809	-0.20071	5.079	-0.21342	6.094	-0.23632	8.375
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.89648	0.804	0.90763	0.824	0.91993	0.846	0.94338	0.890	0.96851	0.938

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.59886	1.824	-0.93407	2.712	-1.44824	2.740	-1.76832	3.194
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.93199	1.257	1.48669	1.832
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.35989	1.894	0.56937	2.289	0.78982	2.769
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.91267	3.518	1.12274	4.254	1.11861	4.710	0.96755	3.718	0.80027	2.903
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.66437	5.775	-0.71468	6.566	-0.71572	7.308	-0.71607	7.521	-0.76602	7.851
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.14996	3.579	-0.17179	4.276	-0.17544	4.847	-0.18285	5.125	-0.22682	4.881
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.45397	1.759	0.61283	2.434	0.71064	3.059	0.76619	3.330	0.97583	3.665
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.09262	0.881	0.16635	1.594	0.21826	2.232	0.27660	2.615	0.34073	3.074
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.62055	4.795	0.68172	5.538	0.71763	6.386	0.70198	6.385	0.54932	3.616
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.32409	6.114	0.32836	6.761	0.31236	7.018	0.29291	6.374	0.24947	4.635
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	-1.45400	3.806	-1.49960	4.277	-1.54434	4.882	-1.52960	4.970	-1.50176	5.112
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.69665	4.602	0.78167	5.347	0.77049	5.852	0.78128	6.090	0.84797	6.458
X(38)	0.20384	2.303	0.18682	2.291	0.21427	2.865	0.24409	3.192	0.20930	2.717
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.02805	1.387
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.24549	9.195	-0.25342	10.210	-0.23891	10.119	-0.21763	7.632	-0.24654	7.201
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.97505	0.951	0.98090	0.962	0.98598	0.972	0.98809	0.976	0.99041	0.981

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-1.66289	3.031	-1.49605	2.931	-1.76662	3.162	-2.02135	3.004	-2.40276	2.691
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	1.59037	1.993	1.59297	2.194	1.90636	2.481	2.09665	2.494	2.40078	2.420
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.70263	2.435	0.59674	2.201	0.60329	2.263	0.65327	2.283	0.78441	2.205
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.75218	2.760	0.60551	2.285	0.57880	2.212	0.68352	2.233	0.75400	2.212
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	-0.27042	1.567	-0.27314	1.610	-0.18335	0.861	-0.02732	0.087
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.79886	8.037	-0.88097	8.429	-0.87522	8.509	-0.95285	6.431	-1.05372	4.983
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.23372	0.718
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.24842	5.068	-0.27719	5.747	-0.28142	5.917	-0.29192	5.660	-0.27957	4.851
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	1.05678	3.925	1.10126	4.466	1.11736	4.602	1.22655	4.208	1.35494	3.778
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.05035	0.761	0.10628	1.011
X(25)	0.37508	3.342	0.40279	3.886	0.46228	4.009	0.48474	3.907	0.53744	3.551
X(26)	0.00000	0.000	0.00000	0.000	-0.09586	1.101	-0.12960	1.280	-0.17562	1.398
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.47906	2.992	0.26791	1.350	0.20214	0.991	0.16487	0.754	0.16719	0.717
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.23862	4.468	0.20840	3.986	0.20470	3.975	0.20175	3.740	0.19824	3.433
X(33)	-0.15131	1.172	-0.31329	2.003	-0.33752	2.173	-0.33105	2.037	-0.26664	1.366
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	-1.51419	5.270	-1.41644	5.270	-1.41886	5.371	-1.39031	4.991	-1.32109	4.229
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.93970	6.252	1.07673	6.633	1.07350	6.728	1.08513	6.481	1.03773	5.450
X(38)	0.20002	2.642	0.12699	1.527	0.09479	1.092	0.07792	0.834	0.12965	1.055
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	-0.03421	1.672	-0.06431	2.404	-0.06933	2.598	-0.07356	2.588	-0.05895	1.614

X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.26538	7.149	-0.31292	6.893	-0.30756	6.852	-0.30888	6.581	-0.26834	3.556
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99199	0.984	0.99432	0.989	0.99543	0.991	0.99601	0.992	0.99660	0.993

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	-2.34820	2.212	-2.38326	1.291
X(3)	0.00000	0.000	0.00000	0.000
X(4)	2.10166	1.512	2.01182	0.594
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.64845	1.199	0.63193	0.689
X(8)	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.97706	1.417	1.00407	0.785
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.19391	0.290	0.29588	0.091
X(13)	0.00000	0.000	-0.05556	0.033
X(14)	0.00000	0.000	0.00000	0.000
X(15)	-1.15215	3.282	-1.08028	0.478
X(16)	0.21448	0.554	0.23860	0.259
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	-0.30363	3.340	-0.28932	0.632
X(20)	0.00000	0.000	0.00000	0.000
X(21)	1.62682	2.026	1.57144	0.769
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.13979	0.933	0.12429	0.239
X(25)	0.56751	2.929	0.55284	1.049
X(26)	-0.19193	1.249	-0.20711	0.403
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.28729	0.704	0.36343	0.151
X(29)	0.33622	0.398	0.31452	0.230
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000
X(32)	0.23312	2.101	0.26296	0.283
X(33)	-0.24953	1.066	-0.17774	0.080
X(34)	0.00000	0.000	0.00000	0.000
X(35)	-1.38118	3.470	-1.38008	2.449
X(36)	0.00000	0.000	0.00000	0.000
X(37)	1.06230	4.563	0.98742	0.425
X(38)	0.16779	0.966	0.20575	0.173
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000
X(41)	-0.04634	0.867	-0.03439	0.092
X(42)	0.00000	0.000	0.00000	0.000
X(43)	-0.28375	2.925	-0.27038	0.625
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99685	0.994	0.99685	0.994

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE9

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	1.22222	3.111	1.22222	3.538	1.22222	3.903	1.27861	4.573	1.23223	4.793
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.35285	2.152
X(16)	0.00000	0.000	0.00000	0.000	0.70000	2.356	0.80150	2.997	0.96500	3.761
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.50752	2.502	0.44291	2.353
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	-2.00000	2.729	-2.00000	3.010	-1.74624	2.911	-1.77855	3.235
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55277	0.306	0.69812	0.487	0.77378	0.599	0.83558	0.698	0.87174	0.760

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	1.21956	5.302	1.11982	5.046	1.05365	4.911	1.13053	5.226	1.10439	5.448
X(8)	1.65719	2.344	1.42100	2.109	1.29642	2.012	1.34637	2.144	1.32511	2.257
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.36676	2.498	-0.46068	3.144	-0.46016	3.307	-0.39903	2.796	-0.27874	1.856
X(16)	0.95194	4.146	0.90545	4.185	1.07555	4.682	1.13199	4.978	1.19890	5.552
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.41211	1.356	-0.95453	2.264
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.21949	1.740
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.34281	1.973	0.33432	2.055	0.48971	2.709	0.51899	2.929	0.61885	3.531
X(34)	0.00000	0.000	0.00000	0.000	-0.21289	1.655	-0.22993	1.828	-0.26887	2.247
X(35)	-1.82859	3.715	-1.83284	3.979	-1.96803	4.422	-1.97044	4.549	-2.06919	5.063
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	-0.06117	1.847	-0.05347	1.682	-0.03366	0.984	-0.01401	0.413
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.90475	0.819	0.92221	0.850	0.93465	0.874	0.94247	0.888	0.95361	0.909

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	-2.33610	2.229	-2.28215	2.319	-2.44222	2.648	-2.37057	2.903
X(7)	1.09125	5.814	-1.02229	1.063	-1.00296	1.111	-1.14400	1.353	-1.21659	1.624
X(8)	0.86198	1.432	-1.97925	1.437	-2.05662	1.590	-2.27536	1.876	-2.29126	2.136
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.41122	1.785	0.75150	2.990	0.72389	3.061	0.75384	3.409	0.88800	4.263
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	-0.12796	1.580	-0.15166	1.971	-0.16756	2.443
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.03491	1.587	-0.04071	2.066
X(15)	-0.24885	1.778	-0.41115	2.905	-0.36410	2.676	-0.33871	2.650	-0.25521	2.100
X(16)	1.24087	6.168	1.17145	6.613	1.30356	7.006	1.31662	7.586	1.31585	8.571
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.13163	1.872
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	-1.15879	2.850	-1.56696	3.946	-1.72430	4.470	-1.79988	4.965	-1.90081	5.845
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.27927	2.301	0.58751	3.381	0.56311	3.438	0.58411	3.813	0.65317	4.652
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.64533	3.963	0.40674	2.296	0.42808	2.567	0.41938	2.697	0.38512	2.776
X(34)	-0.26822	2.423	-0.22422	2.289	-0.22630	2.462	-0.20802	2.407	-0.15595	1.917
X(35)	-2.08518	5.513	-2.31460	6.735	-2.16585	6.448	-1.70241	3.977	-1.61356	4.228

X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.02037	0.645	-0.12123	2.292	-0.12364	2.491	-0.12707	2.744	-0.12000	2.917
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.96353	0.928	0.97502	0.951	0.98006	0.961	0.98445	0.969	0.98921	0.979

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	-2.84038	3.736	-2.70575	3.507	-2.93504	3.753	-2.65906	3.276	-2.74209	2.286
X(7)	-1.72664	2.422	-1.65105	2.305	-1.84670	2.556	-1.78588	2.503	-1.86223	1.735
X(8)	-2.45047	2.593	-2.25223	2.335	-2.04288	2.123	-1.55955	1.487	-1.62434	1.210
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.98805	5.184	0.98875	5.191	0.89641	4.400	1.01216	4.447	1.00860	3.817
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	-0.12061	1.846	-0.11988	1.836	-0.06224	0.760	-0.02773	0.319	-0.02440	0.234
X(14)	-0.03673	2.109	-0.02811	1.449	-0.02485	1.293	-0.02148	1.121	-0.02296	0.889
X(15)	-0.38428	3.013	-0.36637	2.847	-0.50294	2.874	-0.52333	3.019	-0.53639	2.312
X(16)	1.21820	8.419	1.22035	8.439	1.10011	6.201	0.98241	4.767	0.97520	3.959
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	-0.07824	1.124	-0.11342	1.494	-0.12566	0.891
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	-0.18968	2.739	-0.20715	2.903	-0.20714	2.966	-0.30844	2.645	-0.31019	2.293
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	-1.90140	6.666	-1.93993	6.746	-1.79283	5.776	-1.73552	5.594	-1.73481	4.852
X(30)	-0.03146	1.844	-0.03372	1.961	-0.04813	2.275	-0.06104	2.539	-0.06067	2.174
X(31)	0.68997	5.530	0.70042	5.598	0.68694	5.583	0.68217	5.627	0.69192	4.189
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.19320	1.206	0.18582	1.160	0.06294	0.329	-0.03542	0.169	-0.05052	0.182
X(34)	-0.06523	0.753	-0.05531	0.634	-0.01783	0.195	0.05257	0.472	0.05494	0.422
X(35)	-1.89111	5.152	-1.88807	5.148	-1.95465	5.372	-1.95492	5.457	-1.92647	3.961
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.10342	1.076	-0.10700	0.927
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00276	0.111
X(40)	0.00000	0.000	0.24376	1.005	0.32947	1.321	0.49366	1.708	0.49283	1.479
X(41)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.14784	3.780	-0.13889	3.465	-0.14941	3.705	-0.13971	3.431	-0.14217	2.737
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99275	0.986	0.99380	0.988	0.99505	0.990	0.99617	0.992	0.99618	0.992

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL

698

X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	-2.80820	1.774	-2.82683	0.971
X(7)	-1.94707	1.281	-1.96365	0.723
X(8)	-1.67176	0.986	-1.68936	0.568
X(9)	0.00000	0.000	0.00000	0.000
X(10)	1.02697	2.828	1.02610	1.970
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	-0.01624	0.110	-0.01551	0.070
X(14)	-0.02270	0.718	-0.02252	0.468
X(15)	-0.55563	1.670	-0.55915	0.952
X(16)	0.95186	2.588	0.95154	1.826
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000
X(20)	-0.01515	0.110	-0.01490	0.076
X(21)	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000
X(23)	-0.13933	0.656	-0.14002	0.455
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000
X(26)	-0.31738	1.787	-0.31694	1.243
X(27)	0.00000	0.000	0.00161	0.010
X(28)	0.00000	0.000	0.00000	0.000
X(29)	-1.70604	3.354	-1.70477	2.334
X(30)	-0.06217	1.694	-0.06239	1.109
X(31)	0.69726	3.361	0.69856	2.176
X(32)	0.00000	0.000	0.00000	0.000
X(33)	-0.07303	0.185	-0.07573	0.122
X(34)	0.05938	0.362	0.05897	0.250
X(35)	-1.92722	3.245	-1.93326	1.868
X(36)	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000
X(38)	-0.12366	0.599	-0.12231	0.380
X(39)	0.00381	0.119	0.00409	0.077
X(40)	0.49829	1.216	0.50410	0.614
X(41)	0.00000	0.000	0.00000	0.000
X(42)	0.00000	0.000	0.00000	0.000
X(43)	-0.14711	1.895	-0.14812	0.994
0	MULTIPLE R R-SQUARED		MULTIPLE R R-SQUARED	
	0.99621	0.992	0.99621	0.992

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE10

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-2.20320	2.188
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.47661	2.922	0.62392	3.858	0.58328	3.919
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(15)	0.00000	0.000	-0.57113	2.046	-0.82861	3.247	-0.83391	3.595	-0.82124	3.876
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.39412	2.281	0.38053	2.410
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.07317	2.732	0.07856	3.121	0.08688	3.989	0.09336	4.668	0.09831	5.342
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.50327	0.253	0.61430	0.377	0.75079	0.564	0.81085	0.657	0.85407	0.729

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-2.44386	2.701	-2.21967	2.638	-1.74332	2.346	-1.73303	2.543	-1.68622	2.765
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.54058	4.031	0.59656	4.707	0.77350	6.048	0.76048	6.474	0.78575	7.433
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.75135	3.924	-0.89225	4.696	-0.80153	4.818	-0.72689	4.624	-0.76457	5.396
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.20297	2.123
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.35503	1.960	-0.41881	2.542
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	-0.22998	2.003	-0.32524	3.102	-0.36870	3.737	-0.35374	3.996
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.52424	2.362	0.58430	2.826	0.82137	4.129	0.81538	4.470	0.85864	5.223
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.34310	2.419	0.37883	2.871	0.45864	3.918	0.40709	3.684	0.37711	3.778
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.12305	6.314	0.13078	7.119	0.17819	7.420	0.17632	8.000	0.18265	9.163
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.14586	2.613	0.13708	2.668	0.15887	3.374
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.89235	0.796	0.91494	0.837	0.94237	0.888	0.95507	0.912	0.96684	0.935

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-1.60937	2.943	-1.60047	3.066	-1.19659	2.318	-1.25159	2.441	-1.11735	2.076
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.58695	0.911
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.77877	8.227	0.72311	7.386	0.79656	8.271	0.78294	8.154	0.79928	8.107
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.02194	1.107	-0.02110	1.054
X(15)	-0.68239	5.133	-0.70183	5.502	-0.66195	5.671	-0.65192	5.630	-0.59586	4.510
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.14015	1.891	0.11660	1.528	0.12026	1.559
X(20)	0.24829	2.810	0.15581	1.483	0.05660	0.523	0.09136	0.820	0.11739	1.011
X(21)	-0.50838	3.308	-0.52875	3.589	-1.23257	3.120	-1.11173	2.741	-1.12192	2.739
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	-0.34916	4.406	-0.37938	4.842	-0.55077	4.796	-0.51861	4.425	-0.51667	4.366
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	-0.17669	2.058	-0.21558	2.505	-0.24558	3.106	-0.24576	3.143	-0.25228	3.183
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.76213	4.936	0.65217	3.949	0.79169	4.771	0.80496	4.892	0.83440	4.930
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.41416	4.546	0.37814	4.187	0.33558	3.978	0.34309	4.099	0.28511	2.695
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	-0.18176	1.475	-0.27130	2.249	-0.25721	2.144	-0.25315	2.089
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.17371	9.463	0.14995	6.299	0.17908	6.786	0.17290	6.479	0.17773	6.473
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.16310	3.867	0.12416	2.579	0.18715	3.424	0.17836	3.265	0.21706	3.118
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED

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	0.97560	0.952	0.97967	0.960	0.98507	0.970	0.98687	0.974	0.98811	0.976

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.15872	0.429	0.16010	0.401	0.15778	0.355	0.15898	0.310
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-1.01180	1.758	-0.81043	1.051	-0.86872	1.027	-0.86950	0.924	-0.87327	0.804
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.65104	0.970	0.77886	1.006	0.75994	0.908	0.63756	0.562	0.68514	0.481
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.86237	6.375	0.85495	5.898	0.83268	5.003	0.83794	4.473	0.84250	3.783
X(14)	-0.01996	0.962	-0.01700	0.735	-0.02819	0.743	-0.02593	0.591	-0.02694	0.518
X(15)	-0.70085	3.479	-0.64458	2.565	-0.65235	2.400	-0.67770	2.048	-0.69696	1.567
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.13413	1.635	0.13608	1.557	0.11557	1.071	0.11791	0.977	0.11411	0.780
X(20)	0.14348	1.144	0.13483	0.999	0.14456	0.979	0.12582	0.656	0.12602	0.569
X(21)	-1.16311	2.724	-1.20160	2.595	-1.10276	1.970	-1.13338	1.760	-1.10115	1.319
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	-0.53994	4.266	-0.54504	4.032	-0.53008	3.516	-0.54342	2.986	-0.54120	2.558
X(24)	0.05739	0.708	0.04820	0.543	0.05190	0.539	0.05649	0.514	0.06030	0.448
X(25)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(26)	-0.26806	3.160	-0.30854	2.364	-0.30936	2.196	-0.30622	1.942	-0.30189	1.598
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.78999	4.255	0.78526	3.969	0.75592	3.341	0.72707	2.470	0.73215	2.124
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.06754	0.084
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.27654	2.516	0.26967	2.285	0.26803	2.103	0.27517	1.875	0.25768	0.963
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.03195	0.189	-0.02967	0.151
X(35)	0.00000	0.000	0.00000	0.000	0.25694	0.392	0.21539	0.282	0.23746	0.259
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	-0.25347	2.025	-0.28201	1.895	-0.28198	1.756	-0.29743	1.514	-0.29695	1.310
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.17883	6.297	0.18218	5.838	0.17580	4.700	0.17295	3.906	0.17259	3.367
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.23494	3.083	0.25011	2.828	0.23780	2.367	0.22839	1.866	0.22773	1.611
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98891	0.978	0.98924	0.979	0.98956	0.979	0.98966	0.979	0.98968	0.979

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.18189	0.221	0.18522	0.096
X(7)	0.00000	0.000	0.00000	0.000
X(8)	-0.80502	0.388	-0.79722	0.171
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000

X(11)	0.73337	0.354	0.72225	0.122
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.84531	3.014	0.84151	0.465
X(14)	-0.02564	0.364	-0.02397	0.031
X(15)	-0.68010	1.013	-0.67062	0.149
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	0.11709	0.610	0.11814	0.211
X(20)	0.12763	0.467	0.12871	0.203
X(21)	-1.11539	1.038	-1.12231	0.316
X(22)	0.00000	0.000	0.00000	0.000
X(23)	-0.54361	2.051	-0.54260	0.908
X(24)	0.05301	0.224	0.05003	0.035
X(25)	0.00000	0.000	0.00000	0.000
X(26)	-0.30850	1.110	-0.31000	0.388
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.75161	1.213	0.74794	0.390
X(29)	0.06007	0.060	0.03130	0.002
X(30)	-0.00284	0.043	-0.00335	0.013
X(31)	0.25591	0.775	0.26340	0.075
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000
X(34)	-0.02096	0.067	-0.02176	0.037
X(35)	0.20693	0.156	0.19561	0.035
X(36)	0.00000	0.000	-0.02650	0.002
X(37)	0.00000	0.000	0.00000	0.000
X(38)	-0.29461	1.042	-0.29299	0.345
X(39)	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000
X(41)	0.17580	1.798	0.17618	0.787
X(42)	0.00000	0.000	0.00000	0.000
X(43)	0.23523	0.956	0.23615	0.428
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98969	0.979	0.98969	0.979

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE11

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	-2.37646	2.760	-2.23149	2.947	-2.08040	3.009
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.19904	2.239
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.55225	2.644	-0.58507	3.074
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	-0.29823	2.767	-0.26215	2.762	-0.39224	4.056	-0.36741	4.148
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.08098	4.066	0.07263	4.101	0.07983	5.097	0.07797	5.668	0.08086	6.434
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.65498	0.429	0.76257	0.582	0.83483	0.697	0.88231	0.778	0.90924	0.827

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-2.08093	3.571	-2.12291	3.987	-2.07481	4.349	-2.12723	5.074	-2.15326	5.808
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.30235	3.641	0.30651	4.041	0.31973	4.692	0.28250	4.566	0.32906	5.618
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.20227	2.218
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	-0.42182	2.480	-0.49811	3.122	-0.63725	4.090	-0.48769	3.232	-0.30751	1.969
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.30808	3.979	-0.24241	3.134	-0.25683	3.694	-0.23600	3.828	-0.19604	3.416
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.27892	2.888	0.25639	2.886	0.22450	2.778	0.26052	3.591	0.29973	4.506
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	-0.18309	2.230	-0.19749	2.731	-0.17031	2.617
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.66490	2.342	-0.73497	2.906
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(39)	0.00000	0.000	-0.03797	2.095	-0.04334	2.643	-0.03615	2.457	-0.03142	2.383
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.08642	8.028	0.08872	8.970	0.08684	9.764	0.08524	10.881	0.08872	12.496
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.94008	0.884	0.95329	0.909	0.96513	0.931	0.97507	0.951	0.98198	0.964

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-2.23527	6.469	-2.13857	6.670	-2.27454	8.770	-2.28423	9.583	-2.31037	9.645
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.30049	5.327	0.32425	6.091	0.28737	6.476	0.30511	7.246	0.29516	6.831
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.28043	2.957	-0.29230	3.359	-0.36545	4.932	-0.41230	5.607	-0.46331	5.195
X(16)	0.30035	1.797	0.33257	2.160	0.25074	1.992	0.30893	2.560	0.37572	2.731
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.06110	1.009
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	-0.22507	1.486	-0.10222	0.664	0.22520	1.315	0.43614	2.170	0.43478	2.165
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.18063	3.363	-0.07870	1.058	-0.01968	0.313	-0.01483	0.256	-0.03350	0.552
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.28837	4.668	0.32498	5.418	0.34839	7.200	0.38140	7.851	0.36823	7.327
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	-0.17847	2.960	-0.19205	3.449	-0.19207	4.345	-0.19207	4.729	-0.17721	4.105
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	-0.53349	2.058	-0.62706	2.584	-0.74704	3.781	-0.76104	4.187	-0.75168	4.134
X(37)	0.00000	0.000	0.17031	1.825	0.28926	3.366	0.27384	3.445	0.25080	3.035
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	-0.02572	2.044	-0.02454	2.128	-0.02745	2.978	-0.02200	2.427	-0.02341	2.555
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.09276	13.376	0.09205	14.478	0.12585	9.411	0.15369	7.470	0.20575	3.703
X(42)	0.00000	0.000	0.00000	0.000	0.05427	2.730	0.07938	3.369	0.12943	2.356
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.04268	1.687	0.10320	1.585
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.98583	0.972	0.98914	0.978	0.99379	0.988	0.99529	0.991	0.99582	0.992

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.14278	0.515	0.23020	0.524	0.36699	0.517	0.39596	0.478
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

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X(20)	0.00000	0.000	0.00000	0.000
X(21)	0.28756	0.509	0.28556	0.121
X(22)	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	-0.12839	0.397	-0.12853	0.267
X(26)	0.04140	0.205	0.04148	0.139
X(27)	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.34903	2.302	0.34794	0.283
X(32)	0.02396	0.355	0.02371	0.081
X(33)	0.00000	0.000	0.00000	0.000
X(34)	-0.16567	1.398	-0.16539	0.473
X(35)	0.00000	0.000	0.00000	0.000
X(36)	-0.70866	1.569	-0.70783	0.634
X(37)	0.17499	0.571	0.17558	0.223
X(38)	0.00000	0.000	-0.00107	0.001
X(39)	-0.02730	1.214	-0.02731	0.752
X(40)	-0.01332	0.027	-0.01089	0.004
X(41)	0.25247	1.396	0.25180	0.319
X(42)	0.17906	0.984	0.17853	0.281
X(43)	0.13229	0.725	0.13201	0.330
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99645	0.993	0.99645	0.993

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE12

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.36664	2.264
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	-0.13259	2.907	-0.17341	4.222	-0.20484	4.930	-0.18779	4.890
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	-0.30716	3.011	-0.32787	3.418	-0.31316	3.592
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.06634	3.126	0.05849	3.155	0.04749	2.935	0.02288	1.168	0.02077	1.169
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.09642	1.976	-0.12679	2.744
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55460	0.308	0.71151	0.506	0.81254	0.660	0.84744	0.718	0.88354	0.781

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-1.64564	2.469	-2.15393	3.131	-2.03824	3.076	-1.96657	3.129	-2.00972	3.289
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.51488	1.793	0.46402	1.677	0.51122	1.941	0.59532	2.263
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.38909	2.716	-0.39295	2.916	-0.42180	3.238	-0.40962	3.317	-0.41777	3.480
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.18902	5.575	-0.18870	5.917	-0.21276	6.231	-0.20686	6.363	-0.18874	5.509
X(20)	0.00000	0.000	0.00000	0.000	0.16765	1.572	0.17002	1.684	0.18414	1.868
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.28848	3.717	-0.34684	4.340	-0.39213	4.798	-0.27817	2.688	-0.26159	2.585
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.49300	1.361
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.27954	1.658	0.30410	1.846
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.02260	1.439	0.02217	1.500	0.01961	1.377	0.00938	0.633	0.01187	0.819
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.14107	3.424	-0.15496	3.921	-0.14919	3.926	-0.18280	4.428	-0.17409	4.289
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.91571	0.839	0.93035	0.866	0.94051	0.885	0.95053	0.904	0.95684	0.916

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-2.32359	3.743	-2.43196	3.899	-2.23501	3.550	-1.93252	3.407	-2.07747	4.421
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.87339	2.791	0.91811	2.932	0.75679	2.276	0.56691	1.867	0.66555	2.631
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.08562	2.054	0.13918	3.367
X(15)	-0.36510	3.041	-0.42720	3.238	-0.56254	3.328	-0.85668	4.174	-1.09800	5.538
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.17061	4.885	-0.21236	4.117	-0.21575	4.276	-0.18078	3.840	-0.20869	5.153
X(20)	0.17562	1.861	0.16794	1.789	0.20957	2.145	0.23857	2.770	0.19249	2.619
X(21)	0.00000	0.000	0.34378	1.093	0.49139	1.491	0.73825	2.374	1.48291	3.608
X(22)	0.00000	0.000	0.00000	0.000	-0.14990	1.237	-0.39864	2.483	-0.55864	3.752
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.26051	2.693	-0.18383	1.546	-0.18963	1.632	-0.13102	1.247	0.07067	0.576
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.26964	1.493	0.25945	1.446	0.23303	1.320	0.04288	0.239	-0.06873	0.443
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.21234	2.312
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	-0.55597	1.594	-0.62219	1.771	-0.74717	2.089	-1.89633	2.962	-2.95418	4.239
X(37)	0.32640	2.064	0.40592	2.347	0.44397	2.586	0.61977	3.600	0.91149	4.811
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.03297	1.665	0.02504	1.196	0.01110	0.475	-0.00513	0.235	-0.02334	1.194
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.15069	3.601	-0.17272	3.743	-0.16434	3.605	-0.14450	3.541	-0.16804	4.798
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.96373	0.929	0.96734	0.936	0.97174	0.944	0.98084	0.962	0.98856	0.977

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	-0.27184	0.818	-0.16782	0.362	-0.16136	0.248
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-2.06719	5.493	-1.75284	4.536	-1.50729	3.025	-1.55066	2.652	-1.58185	2.144
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.59675	2.916	0.33267	1.371	0.34049	1.362	0.32120	1.108	0.31815	0.948
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(14)	0.13216	3.976	0.15447	4.733	0.15209	4.512	0.15731	3.594	0.15857	3.056
X(15)	-1.17176	7.239	-1.29787	7.934	-1.29943	7.720	-1.32309	6.202	-1.32501	5.373
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.23277	6.841	-0.26583	7.304	-0.28441	6.493	-0.28208	5.677	-0.27944	4.457
X(20)	0.20677	3.495	0.22051	4.116	0.20398	3.474	0.21030	2.972	0.21126	2.574
X(21)	1.64985	4.899	1.85068	5.699	1.91534	5.579	1.91642	5.025	1.90491	4.202
X(22)	-0.64643	5.172	-0.74324	5.891	-0.72667	5.531	-0.74325	4.567	-0.74758	3.891
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.12080	1.201	0.18801	1.905	0.23977	2.004	0.22258	1.460	0.21180	1.038
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.02490	0.230	0.03199	0.225
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	-0.09843	0.789	-0.33687	1.850	-0.36600	1.919	-0.37474	1.741	-0.37189	1.490
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.21276	2.893	0.22911	3.444	0.23104	3.373	0.22494	2.792	0.22278	2.341
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.01412	0.104
X(34)	0.00000	0.000	-0.13420	1.657	-0.17162	1.805	-0.17889	1.623	-0.18265	1.383
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	-3.14415	5.575	-3.59568	6.271	-3.62407	6.132	-3.69046	5.147	-3.70441	4.424
X(37)	1.00836	6.411	1.14312	7.034	1.19456	6.687	1.20536	5.912	1.19838	4.903
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	-0.66844	2.340	-0.90821	3.092	-1.03461	3.048	-1.01667	2.641	-1.00336	2.172
X(41)	-0.02567	1.637	-0.05021	2.461	-0.05174	2.455	-0.05370	2.156	-0.05383	1.873
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.17105	6.092	-0.19197	6.829	-0.19906	6.593	-0.20108	5.800	-0.20028	4.921
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99360	0.987	0.99561	0.991	0.99613	0.992	0.99618	0.992	0.99620	0.992

	STEP NUMBER 21		STEP NUMBER 22	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.18543	0.213	-0.19004	0.048
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
X(8)	-1.58992	1.746	-1.58840	0.884
X(9)	0.00000	0.000	0.00000	0.000
X(10)	0.33424	0.705	0.33435	0.494
X(11)	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000
X(14)	0.15693	2.310	0.15642	0.362
X(15)	-1.31865	4.174	-1.31966	1.399
X(16)	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000
X(19)	-0.26725	1.367	-0.26676	0.543
X(20)	0.20851	1.925	0.20781	0.348
X(21)	1.90204	3.420	1.90493	0.758
X(22)	-0.72931	2.039	-0.72753	0.468
X(23)	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000
X(25)	0.20953	0.832	0.21012	0.350
X(26)	0.02841	0.156	0.02824	0.097
X(27)	0.00000	0.000	0.00000	0.000
X(28)	-0.36566	1.147	-0.36487	0.461

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X(29)	0.00000	0.000	0.00682	0.001
X(30)	0.00000	0.000	0.00000	0.000
X(31)	0.22282	1.914	0.22120	0.164
X(32)	0.00000	0.000	0.00000	0.000
X(33)	0.01891	0.105	0.01858	0.050
X(34)	-0.17977	1.076	-0.17974	0.758
X(35)	0.00000	0.000	0.00000	0.000
X(36)	-3.68098	3.405	-3.67393	0.610
X(37)	1.18709	3.468	1.18694	2.376
X(38)	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000
X(40)	-0.99967	1.761	-1.00417	0.264
X(41)	-0.03936	0.182	-0.03797	0.032
X(42)	0.01315	0.068	0.01454	0.012
X(43)	-0.18611	0.866	-0.18523	0.235
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.99620	0.992	0.99620	0.992

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGE1	JUDGE2	JUDGE3	JUDGE4	JUDGE5	JUDGE6	JUDGE7	JUDGE8	JUDGE9	JUDGE10
		JUDGE11	JUDGE12								
1	7250	1.74469	0.77626	2.92988	-2.24309	-1.79752	6.03276	1.23230	-0.20866	-4.34631	6.21329
		6.07585	-6.29718								
2	7311	2.27362	1.54126	3.69688	-4.89470	-3.16884	4.48726	0.86350	0.18559	-4.47331	6.20166
		6.66923	-4.55002								
3	7369	-2.07821	-1.56290	-4.36397	-2.02042	0.52651	4.69182	-3.54700	-3.93813	-4.37151	6.86192
		6.56574	-4.08436								
4	7405	-1.67380	0.27094	-1.24317	-3.07480	1.38288	6.05512	-4.18024	-0.57923	-2.48489	7.75900
		8.99749	-0.76512								
5	7420	0.70424	0.92865	0.39387	-1.13862	-0.44470	7.16195	-1.18781	-2.13533	-4.13114	3.79581
		7.04366	-2.95780								
6	7428	-3.67379	1.27094	-2.24317	-1.07481	3.38287	5.05509	-5.18018	-2.57922	-3.48489	5.75899
		7.99749	-2.76508								
7	7429	-2.33325	2.45622	0.90947	-0.75931	0.62989	4.11112	0.70756	-1.52749	-0.93730	3.53120
		5.42799	-1.91797								
8	7437	-0.51843	-0.19529	-1.40340	-1.53511	0.83015	5.68753	-2.35450	-0.77304	-2.68555	4.13965
		6.23326	-1.84285								
9	7439	0.70398	1.92862	0.39384	-0.13862	-0.44471	10.16184	-1.18814	1.86464	-2.13116	3.79594
		8.04371	-0.95804								
10	7447	-0.01837	0.06361	-5.53170	-0.46368	0.40645	6.18702	-2.46293	1.49960	-4.65628	7.05262
		6.87002	-1.57294								
11	7450	2.28478	1.58075	6.75591	-1.13618	-2.60328	5.96685	-5.03013	1.28771	3.51603	4.45663
		3.48411	-16.07074								
12	7458	2.89846	0.95829	1.33393	-2.18499	-2.09865	5.82687	-5.23531	-0.82907	0.65833	3.76458
		5.28967	-10.87138								
13	7464	2.17442	2.53750	1.70881	-2.03776	-3.00687	4.23121	-2.11847	-0.94468	-5.99689	5.29117
		6.64762	-4.65818								
14	7465	0.30641	-0.22719	-2.60472	-3.13987	-0.75421	6.46865	-4.81670	-2.95992	-3.83830	3.88394
		5.37722	-4.60293								
15	7506	-0.37213	-0.37906	-0.31997	-0.71331	-0.36937	7.85929	-3.21145	-1.67220	-2.56689	5.86554
		8.16291	-1.65216								
16	7513	-0.90593	3.80178	-0.13509	0.92571	3.35151	6.28622	0.56287	-2.19415	-1.23937	3.58583
		7.11353	-4.47956								
17	7517	-0.29570	-0.07132	-0.60611	-0.13863	-1.44470	8.16195	-0.18792	-3.13531	-3.13113	2.79575
		6.04367	-3.95784								
18	7524	0.89268	2.15289	-1.10268	-0.41093	0.77431	7.45488	-2.17335	2.22124	-2.34036	5.09302
		7.68844	-0.15807								
19	7531	-1.29615	0.92862	-1.60613	-2.13861	-2.44471	8.16183	-3.18831	-0.13539	-4.13118	1.79595
		6.04376	-1.95775								

20	7532	4.43028	-4.01886	2.89173	0.84863	-2.14465	-3.53471	4.49822	-5.86468	-11.44037	5.89224
		5.87574	-5.16824								
21	7543	-2.81166	-0.81204	-5.26359	-3.23357	-0.04389	5.63465	-3.09439	-4.14834	-3.86060	2.62725
		5.47622	-6.06597								
22	7544	4.56857	-3.68254	5.69074	-0.69084	2.30138	7.42768	-3.50716	-5.29960	-6.15133	4.09788
		6.58357	-1.25700								
23	7554	0.65279	0.61271	4.65190	0.96514	0.70765	3.21154	3.72722	-0.83809	-7.66513	5.58804
		4.60191	-7.74597								
24	7557	-0.54975	3.36985	-0.25846	-1.23733	0.14564	6.97792	-4.03517	3.11447	-2.55756	3.05130
		6.72298	1.30142								
25	7561	-1.15789	0.44022	-1.30011	-0.19816	0.87398	3.28302	-1.56727	-0.69859	-5.56684	2.63470
		5.25602	-2.31334								
26	7563	-0.36194	-0.30954	-4.16843	-2.02752	-0.04931	3.67678	0.88900	-0.93398	-5.01152	2.47387
		5.77282	-4.28482								
27	7566	-0.28383	0.92969	0.19257	-0.71877	-1.59144	4.84586	-4.00300	-0.15386	-2.08032	4.49403
		5.83687	-4.68768								
28	7607	-0.10730	1.15289	-2.10270	-1.41096	-0.22570	5.45482	-3.17347	1.22123	-4.34035	4.09296
		6.68838	-1.15806								
29	7610	-1.23441	0.42095	-0.98610	-0.82172	1.05269	9.64750	-3.76712	0.55860	-3.13727	5.43971
		7.21013	-0.75854								
30	7616	1.26974	0.34843	-3.12457	1.82059	-1.85182	7.03261	2.44919	-1.44828	-2.25706	2.63983
		3.99900	-5.43765								
31	7630	-2.51845	-1.19522	-2.40346	-3.53509	-1.16984	3.68763	-4.35452	-2.77303	-3.68554	2.13969
		5.23321	-3.84292								
32	7642	2.73440	-2.43400	-4.68345	1.48832	-0.52913	6.63507	1.57442	-0.79533	-4.93049	1.50158
		6.10529	-2.87377								
33	7652	0.11511	-0.93178	-0.27941	-3.84977	-1.13379	3.13503	0.88484	-5.51447	-1.51331	4.89174
		3.98113	-7.32172								
34	7665	1.68134	1.51205	-0.57896	-0.66631	-0.35770	3.07505	2.80067	1.73749	-0.23343	8.66848
		7.90988	-5.30574								
35	7672	1.58523	-0.39381	1.74572	1.00821	1.72115	6.79648	0.05377	-1.11820	-3.76933	4.70516
		6.85371	-1.27567								
36	7677	0.26980	1.34842	-2.12457	-0.17939	0.14817	6.03261	0.44920	-2.44828	-4.25707	4.63982
		5.99899	-4.43766								
37	7680	0.71616	-0.07030	-0.80754	-1.71875	-0.59143	5.84593	-2.00303	-1.15387	-3.08034	6.49405
		6.83686	-3.68757								
38	7687	0.33057	-0.06412	-0.51025	-1.29569	-0.28554	5.15446	-3.31818	-1.39998	-4.83713	6.95253
		7.25279	-4.23721								
39	7706	-1.97847	-3.41684	-6.42897	-2.93190	1.83699	5.91061	-3.17953	-3.95116	-5.22709	6.91327
		4.58485	-3.50117								
40	7709	1.70412	-0.07136	-0.60614	0.86137	0.55527	8.16187	-2.18802	-0.13534	-3.13116	1.79590
		6.04373	-1.95784								
41	7711	-5.60642	-2.83655	-2.90557	-8.86228	-0.54816	1.99209	-8.54811	-0.44148	-3.61150	7.63356
		7.45620	0.11483								
42	7730	-2.26786	-2.27871	-11.08324	-1.08779	-0.55873	5.00674	-3.51972	0.28325	-4.58102	-1.43111
		5.78395	-3.45286								
43	7738	-1.66663	1.78955	-0.09052	-2.09262	1.29656	5.44444	0.04090	-0.86083	-0.27063	4.86452
		7.09464	-1.25126								
44	7741	-0.34909	-1.53523	-2.65019	-2.71731	0.82354	3.63247	-4.01613	-1.70174	-5.72499	8.34718
		6.54163	-4.53350								
45	7755	1.55239	2.26092	1.18033	-0.79687	-1.32120	5.90763	-2.97558	-0.18371	-4.08683	4.40297
		5.82873	-2.17407								
46	7758	2.58523	0.60617	0.74573	0.00822	-0.27885	4.79648	-0.94624	-2.11821	-5.76932	5.70515
		7.85368	-2.27556								
47	7761	0.55241	1.26096	2.18034	0.20313	-0.32121	6.90764	-1.97559	0.81627	-2.08684	5.40297
		7.82880	-1.17407								
48	7768	2.74472	-0.22375	3.92988	-1.24310	-0.79750	7.03281	3.23219	-1.20867	-3.34631	7.21331
		7.07590	-5.29723								
49	7770	-1.30894	-2.29389	-2.08942	-3.39697	-0.72423	4.94544	-3.50043	-3.88539	-4.57506	4.28360
		5.65333	-2.69329								
50	7772	-0.26852	0.39728	-2.47277	-1.11303	-1.48234	5.78160	-3.17562	-1.83932	-2.69158	0.99451
		5.51171	-3.81523								
51	7775	-0.28386	-1.07029	-1.80760	-2.71874	-1.59143	4.84601	-4.00291	-2.15387	-4.08033	4.49408
		5.83691	-4.68754								

52	7778	-0.44757	0.26092	0.18044	-1.79686	0.67879	4.90766	-3.97556	-1.18374	-3.08684	4.40298
		5.82894	-3.17398								
53	7785	-0.97087	-2.92169	0.88357	-2.18591	-0.41631	4.30333	-4.21750	-2.65255	-5.58993	3.70894
		4.70905	-2.74620								
54	7789	-2.31819	1.00709	-1.38851	-0.58362	-0.72897	4.48837	0.28060	-1.92136	-2.10381	4.63729
		6.32429	-3.83598								
55	7795	-5.35833	-0.69152	-1.40848	-3.54311	1.83972	-0.08515	-0.20178	-7.44260	-4.84281	8.87143
		5.08820	-7.85723								
56	7800	0.58526	0.60621	0.74573	-0.99178	0.72116	4.79652	-1.94623	-0.11820	-2.76932	3.70518
		5.85367	-2.27575								
57	7801	-3.99994	0.12288	-1.09050	-3.42595	-1.03678	2.77777	-1.62578	-3.19414	-2.60397	2.19786
		4.76130	-3.58461								
58	7808	-4.34742	0.06318	-2.71035	-3.52338	-0.22572	3.26821	-5.20401	-0.86874	-3.99267	1.75815
		4.75464	-1.37035								
59	7816	-1.59166	-2.15065	-4.22457	-1.22552	-2.95861	9.28550	-5.88970	-1.17296	-8.32182	-0.04459
		4.69291	-4.80895								
60	7819	-0.73013	0.34842	-3.12455	-1.17942	-0.85183	7.03261	-1.55082	-3.44829	-5.25708	2.63983
		4.99895	-5.43756								
61	7828	-1.26854	1.39726	-1.47273	-0.11305	0.51766	4.78154	-1.17568	-0.83938	-1.69159	2.99448
		6.51178	-2.81512								
62	7830	0.96393	2.28089	1.34635	1.19063	-0.10082	5.14030	-1.62313	1.83539	-3.76994	5.74569
		6.36329	-3.85764								
63	7832	-2.28377	-0.07034	-0.80735	-2.71878	-2.59143	3.84579	-3.00294	-2.15384	-3.08029	2.49400
		4.83689	-6.68770								
64	7833	-5.32543	-2.09189	-9.51822	-2.57820	-2.09414	4.07159	-6.32933	3.02836	-4.72359	-4.97276
		4.51159	-4.01954								
65	7838	-3.81167	0.18794	-4.26354	-2.23357	-1.04387	6.63463	-4.09451	-3.14836	-2.86060	3.62724
		4.47622	-5.06595								
66	7839	-1.54973	2.36988	-1.25853	-2.23732	-1.85435	4.97796	-5.03501	1.11449	-3.55757	2.05127
		4.72299	-0.69872								

CORRELATIONS BETWEEN SCORES

		JUDGE1 1	JUDGE2 2	JUDGE3 3	JUDGE4 4	JUDGE5 5	JUDGE6 6	JUDGE7 7	JUDGE8 8	JUDGE9 9	JUDGE10 10
JUDGE1	1	1.0000									
JUDGE2	2	0.0995	1.0000								
JUDGE3	3	0.6030	0.3295	1.0000							
JUDGE4	4	0.5235	0.2757	0.1974	1.0000						
JUDGE5	5	-0.1653	0.0323	-0.0449	0.1971	1.0000					
JUDGE6	6	0.1905	0.2615	-0.0203	0.3044	0.0447	1.0000				
JUDGE7	7	0.4635	0.1602	0.3352	0.4994	0.0575	-0.1905	1.0000			
JUDGE8	8	0.1074	0.4951	-0.0071	0.1903	-0.1549	0.3551	-0.1673	1.0000		
JUDGE9	9	-0.0776	0.5319	0.1499	-0.0332	0.0492	0.2915	-0.1152	0.3220	1.0000	
JUDGE10	10	0.2272	0.0744	0.4259	-0.1226	0.3130	-0.1994	0.2345	-0.1877	0.0274	1.0000
JUDGE11	11	0.1963	0.2406	0.1465	0.1220	0.3886	0.2371	0.0616	0.2697	0.0598	0.4745
JUDGE12	12	-0.1678	0.0395	-0.2159	0.0245	0.3702	0.2317	-0.1588	0.2602	-0.1940	-0.0474

		JUDGE11 11	JUDGE12 12
JUDGE11	11	1.0000	
JUDGE12	12	0.5350	1.0000

Appendix E.

Results BMDP Preference Pairs Program, 43 Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGES

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.27352	4.054
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.00000	0.000	-0.09935	6.253	-0.13277	8.455	-0.16125	9.799	-0.14714	8.982
X(20)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	0.00000	0.000	0.00000	0.000	-0.25076	6.456	-0.26927	7.128	-0.25926	7.039
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.05479	8.079	0.04887	7.605	0.03994	6.490	0.01790	2.320	0.01623	2.158
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.08633	4.483	-0.10836	5.555
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.43796	0.192	0.54107	0.293	0.62163	0.386	0.65471	0.429	0.67920	0.461

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	1.13298	3.286
X(12)	0.00000	0.000	0.00000	0.000	-0.29211	3.024	-0.43257	3.646	-0.65249	4.855
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.11546	2.016	0.24146	3.546
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.25968	3.911	-0.28933	4.396	-0.31815	4.854	-0.37937	5.276	-0.33277	4.620
X(16)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.14080	8.688	-0.16664	9.400	-0.16424	9.395	-0.15508	8.630	-0.14183	7.835
X(20)	0.00000	0.000	0.17952	3.310	0.17469	3.267	0.17979	3.378	0.20717	3.914
X(21)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.12722	2.358	-0.17861	3.234	-0.15120	2.742	-0.11969	2.099	-0.05517	0.930
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.30325	3.298	0.30888	3.420	0.38879	4.189	0.41198	4.430	0.54312	5.448
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.00532	0.658	0.00237	0.297	-0.00996	1.123	-0.00684	0.764	-0.00635	0.721
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.14463	6.547	-0.14106	6.494	-0.15607	7.105	-0.13806	6.850	-0.07597	2.541
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.69439	0.482	0.70883	0.502	0.72032	0.519	0.72531	0.526	0.73794	0.545

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13		STEP NUMBER 14		STEP NUMBER 15	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.34027	1.196	0.38986	1.348
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	1.24468	3.594	1.28544	3.712	1.16451	3.159	1.09417	2.933	1.00333	2.607
X(12)	-0.68742	5.113	-0.71209	5.277	-0.72736	5.352	-0.72595	5.346	-0.70695	5.151
X(13)	0.27359	3.952	0.26984	3.907	0.27550	3.974	0.28892	4.117	0.29987	4.217
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.34499	4.808	-0.38658	5.075	-0.36740	4.664	-0.38240	4.798	-0.39754	4.893
X(16)	0.00000	0.000	0.22673	1.592	0.20406	1.413	0.21361	1.479	0.21415	1.482
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.13450	7.352	-0.11067	4.690	-0.08889	2.713	-0.07266	2.050	-0.05176	1.245
X(20)	0.21500	4.080	0.18387	3.280	0.18871	3.352	0.19943	3.501	0.18112	3.016
X(21)	0.00000	0.000	0.00000	0.000	-0.18690	0.958	-0.29321	1.368	-0.41467	1.667

X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.05199	0.963
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.01736	0.282	0.01369	0.213	-0.03091	0.389	-0.06879	0.805	-0.07530	0.878
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	-0.48244	2.165	-0.45323	2.033	-0.46351	2.076	-0.63098	2.395	-0.61600	2.334
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.60636	5.874	0.60157	5.842	0.55641	4.913	0.51326	4.321	0.49661	4.137
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	-0.01021	1.145	-0.00112	0.106	0.00166	0.152	0.00714	0.601	0.01315	0.980
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.07667	2.581	-0.05635	1.748	-0.05197	1.595	-0.04141	1.228	-0.03462	1.005
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.74328	0.552	0.74614	0.557	0.74717	0.558	0.74877	0.561	0.74981	0.562

	STEP NUMBER 16		STEP NUMBER 17		STEP NUMBER 18		STEP NUMBER 19		STEP NUMBER 20	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.48127	1.558	0.51870	1.637	0.58139	1.786	0.51900	1.532	0.42090	0.746
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.12821	0.675	-0.15012	0.697
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	1.06903	2.722	0.84144	1.469	0.69299	1.157	0.42443	0.590	0.61541	0.542
X(12)	-0.78114	4.791	-0.75479	4.434	-0.68293	3.592	-0.61662	2.879	-0.58637	2.293
X(13)	0.29586	4.149	0.29743	4.162	0.27455	3.594	0.26404	3.383	0.23645	1.588
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.34084	3.232	-0.34685	3.267	-0.32674	3.002	-0.32563	2.989	-0.26927	0.958
X(16)	0.27401	1.702	0.28966	1.769	0.33305	1.941	0.32684	1.900	0.37568	1.328
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	-0.01742	0.299	-0.01026	0.172	0.00602	0.096	0.02217	0.330	0.03051	0.394
X(20)	0.21287	3.002	0.19997	2.673	0.20380	2.718	0.18795	2.389	0.19702	2.210
X(21)	-0.65833	1.727	-0.68272	1.777	-0.77424	1.939	-0.85832	2.050	-0.89565	1.977
X(22)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(23)	-0.05328	0.985	-0.06562	1.119	-0.09273	1.388	-0.12287	1.528	-0.11667	1.365
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.12304	1.198	-0.12066	1.172	-0.16296	1.424	-0.17759	1.524	-0.21384	1.051
X(26)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(27)	0.00000	0.000	0.00000	0.000	-0.03799	0.850	-0.04837	1.023	-0.06591	0.705
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	-0.27197	0.844	-0.35837	0.997	-0.51401	1.274	-0.61879	1.430	-0.72413	1.115
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.00000	0.000	0.05566	0.547	0.09602	0.855	0.14146	1.079	0.13401	0.987
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.07563	0.218
X(34)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(35)	-0.64529	2.423	-0.67513	2.480	-0.57312	1.926	-0.54011	1.789	-0.39076	0.521
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(37)	0.45982	3.598	0.44249	3.357	0.39318	2.729	0.34400	2.129	0.29294	1.028
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.01963	1.270	0.02360	1.380	0.03185	1.619	0.03388	1.701	0.03586	1.635
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	-0.00255	0.050	-0.00385	0.075	0.01529	0.272	0.01170	0.207	0.03331	0.292
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.75061	0.563	0.75094	0.564	0.75175	0.565	0.75226	0.566	0.75232	0.566

	STEP NUMBER 21		STEP NUMBER 22		STEP NUMBER 23	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.40589	0.709	0.41227	0.710	0.41258	0.706
X(6)	-0.15805	0.716	-0.15867	0.716	-0.15462	0.222
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.72286	0.553	0.72137	0.551	0.69704	0.167
X(12)	-0.58957	2.295	-0.58998	2.292	-0.58481	0.663
X(13)	0.22812	1.450	0.22837	1.449	0.22906	1.185
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(15)	-0.24824	0.805	-0.25640	0.775	-0.26104	0.316
X(16)	0.39135	1.311	0.40007	1.231	0.41205	0.208
X(17)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(18)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(19)	0.03610	0.427	0.03694	0.432	0.03826	0.165
X(20)	0.20728	1.912	0.20737	1.909	0.20428	0.396
X(21)	-0.91971	1.931	-0.91226	1.864	-0.90383	0.619
X(22)	0.00000	0.000	-0.00686	0.069	-0.01117	0.016
X(23)	-0.11251	1.262	-0.11235	1.257	-0.11423	0.358
X(24)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(25)	-0.23215	1.003	-0.23362	1.003	-0.22784	0.234
X(26)	0.00000	0.000	0.00000	0.000	-0.00723	0.006
X(27)	-0.07572	0.685	-0.07623	0.687	-0.07557	0.489
X(28)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(29)	-0.77498	1.079	-0.77407	1.075	-0.77883	0.735
X(30)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(31)	0.12755	0.902	0.12796	0.903	0.13597	0.103
X(32)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(33)	0.09268	0.255	0.09403	0.258	0.09352	0.250
X(34)	0.01562	0.167	0.01756	0.179	0.01917	0.068
X(35)	-0.32531	0.384	-0.31253	0.360	-0.30749	0.257
X(36)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(37)	0.27357	0.888	0.27198	0.878	0.26964	0.548
X(38)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(39)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(40)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(41)	0.03714	1.596	0.03716	1.593	0.03803	0.267
X(42)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(43)	0.04546	0.335	0.04691	0.341	0.04843	0.171
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.75235	0.566	0.75236	0.566	0.75236	0.566

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGES
1	7250	0.42555
2	7311	0.25934
3	7369	1.27572
4	7405	0.88463
5	7420	0.43597
6	7428	0.21797
7	7429	1.44907
8	7437	0.38759
9	7439	1.60259
10	7447	0.98842
11	7450	0.88207
12	7458	1.37610
13	7464	2.03499
14	7465	0.57796
15	7506	1.42291
16	7513	0.05030
17	7517	0.10264
18	7524	1.93860
19	7531	-0.23070
20	7532	-0.99100
21	7543	-0.61238
22	7544	-1.17721
23	7554	-2.26612
24	7557	0.33252
25	7561	-0.69696
26	7563	0.08701
27	7566	1.33317
28	7607	0.93865
29	7610	0.50796
30	7616	1.02012
31	7630	-1.33966
32	7642	1.40420
33	7652	1.09839
34	7665	2.22036
35	7672	0.93908
36	7677	1.02010
37	7680	1.66657
38	7687	0.72723
39	7706	1.94142
40	7709	0.68594
41	7711	-0.11556
42	7730	0.10057
43	7738	1.78239
44	7741	0.29296
45	7755	0.63429
46	7758	0.35574
47	7761	1.46761
48	7768	1.17555
49	7770	1.19960
50	7772	-0.10578
51	7775	0.49989
52	7778	0.05090
53	7785	-0.10458
54	7789	1.01290
55	7795	1.42653
56	7800	0.18912
57	7801	-0.30094
58	7808	-1.26630
59	7816	-2.83749
60	7819	0.02010
61	7828	0.81091
62	7830	-0.16491

63	7832	0.08314
64	7833	-2.66453
65	7838	-0.27906
66	7839	-1.08415

Appendix F.

Transformed, 14 Variable Data Set.

01	7250	00	00	01	00	04	00	09	02	00	02	15	06	04
02	7311	00	00	00	00	07	01	12	03	00	00	21	00	00
03	7369	00	00	01	00	03	00	07	06	00	00	15	01	12
04	7405	00	01	05	00	05	01	02	15	00	00	21	04	00
05	7420	00	01	00	00	04	00	05	19	01	00	25	00	00
06	7428	00	00	01	00	04	00	09	07	00	00	10	07	08
07	7429	00	00	00	00	08	01	01	09	02	02	07	05	08
08	7437	00	01	01	00	05	00	03	01	00	00	19	08	00
09	7439	00	00	01	00	04	00	02	11	00	01	26	00	00
10	7447	00	00	00	00	04	00	15	00	00	01	27	00	00
11	7450	00	00	01	00	07	01	05	08	00	02	18	02	00
12	7458	00	00	01	00	04	00	04	08	00	00	25	01	00
13	7464	00	00	02	00	05	00	02	12	01	02	20	04	00
14	7465	00	01	03	00	09	00	04	05	00	00	02	15	02
15	7506	00	00	01	00	03	00	02	04	01	00	29	00	00
16	7513	00	01	00	01	02	00	03	12	00	00	19	07	00
17	7517	00	01	00	01	03	00	07	01	00	00	24	03	00
18	7524	00	00	00	01	02	00	08	07	00	02	26	00	00
19	7531	00	01	00	00	07	00	08	03	01	00	20	04	00
20	7532	00	01	00	07	13	01	16	02	02	00	00	06	12
21	7543	00	01	04	04	15	02	09	00	00	00	04	07	03
22	7544	00	01	00	00	01	00	15	06	03	00	20	07	00
23	7554	00	01	00	02	06	00	09	05	00	00	16	07	00
24	7557	00	01	01	00	10	01	04	08	00	04	11	07	01
25	7561	00	01	00	00	09	01	01	09	00	01	08	08	03
26	7563	00	01	00	00	10	01	05	08	00	07	15	00	03
27	7566	00	01	03	02	04	00	04	12	03	00	00	21	03
28	7607	00	01	02	00	05	00	04	15	01	05	14	09	02
29	7610	00	00	01	00	02	00	07	00	00	00	28	00	00
30	7616	00	00	00	00	06	00	04	18	00	00	23	00	00
31	7630	00	01	00	00	17	02	07	01	00	00	08	00	03
32	7642	00	00	00	00	17	00	01	12	00	10	14	00	01
33	7652	00	01	00	00	15	00	03	00	00	00	01	05	08
34	7665	00	01	02	04	03	00	09	12	00	00	17	07	02
35	7672	00	00	00	00	00	00	06	12	02	00	27	03	00
36	7677	00	01	01	00	07	00	01	08	00	01	15	02	04
37	7680	00	00	02	01	04	00	06	09	00	00	12	11	03
38	7687	00	00	02	00	03	00	05	04	00	00	25	00	00
39	7706	01	00	01	00	03	00	11	00	00	00	02	09	16
40	7709	00	00	00	00	05	00	00	11	00	04	15	09	00
41	7711	00	01	09	00	19	04	01	00	00	00	02	03	04
42	7730	00	01	00	02	16	01	05	03	00	12	04	06	03
43	7738	01	00	00	00	09	01	01	09	00	00	17	04	00
44	7741	00	01	03	00	03	00	09	04	00	00	15	05	06
45	7755	00	00	00	00	01	00	07	07	02	00	16	13	00
46	7758	00	01	02	00	04	00	05	08	01	01	26	00	00
47	7761	00	00	00	00	00	00	00	12	01	01	32	00	00
48	7768	00	00	02	03	05	00	07	02	00	00	26	00	00
49	7770	00	00	00	00	05	00	04	02	00	00	11	07	09
50	7772	00	01	00	01	09	00	02	03	00	00	13	08	00
51	7775	00	01	01	00	03	00	10	06	00	01	09	09	11
52	7778	00	01	01	00	04	00	06	11	01	00	06	17	03
53	7785	00	01	00	00	07	00	03	02	02	00	03	16	06
54	7789	00	00	00	03	07	00	05	00	00	00	22	00	02
55	7795	00	01	02	00	03	00	00	10	01	00	00	00	25
56	7800	00	01	00	01	02	00	06	12	00	00	00	25	04
57	7801	00	01	01	01	10	02	00	10	00	00	04	05	09
58	7808	00	01	01	00	11	02	01	02	00	00	00	11	06
59	7816	00	01	01	00	14	01	13	02	00	00	03	05	07

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60 7819 00 00 00 03 05 00 14 01 01 00 20 06 01
61 7828 00 00 00 01 08 01 02 09 00 12 07 01
62 7830 00 00 00 00 11 02 06 04 00 21 06 00
63 7832 00 00 00 00 17 00 03 03 00 11 00 00
64 7833 00 00 01 00 22 02 00 02 00 14 02 00
65 7838 00 00 01 00 24 04 10 05 00 10 01 14
66 7839 00 01 02 00 09 00 12 00 00 00 01 01
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Appendix G.

Results of BMDP Preference Pairs Program, 14 Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE1

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	-0.12600	2.792	-0.13720	3.436	-0.07813	1.161	-0.04366	0.613
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.39992	1.087	-0.53943	1.432
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.03832	1.307
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.28953	2.669	0.29439	2.724	0.27716	2.592
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	-0.16116	3.119	-0.18875	4.083	-0.21513	5.139	-0.21830	5.225	-0.21512	5.235
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55371	0.307	0.70307	0.494	0.79192	0.627	0.80559	0.649	0.82427	0.679

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	-0.30488	0.842	-0.29191	0.792	-0.16873	0.484
X(4)	0.11025	0.916	0.13351	1.077	0.23862	1.350	0.28042	1.487	0.27406	1.567
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	-0.04440	0.621	-0.04924	0.683	-0.02330	0.295	-0.01292	0.158	-0.25653	1.662
X(7)	-0.55569	1.467	-0.60339	1.568	-0.71061	1.739	-0.83630	1.858	-0.97043	2.289
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.03247	1.078	0.03757	1.218	0.04068	1.297	0.03697	1.146	0.02246	0.725
X(10)	0.00000	0.000	-0.14238	0.889	-0.14519	0.898	-0.13218	0.800	-0.20528	1.295
X(11)	0.27585	2.568	0.28084	2.595	0.25827	2.296	0.25911	2.267	0.26406	2.490
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.21859	1.811
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01845	0.724	-0.24014	1.926
X(14)	-0.20255	4.657	-0.19903	4.529	-0.16540	2.772	-0.15424	2.465	-0.42092	2.659
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.83337	0.694	0.84195	0.709	0.84971	0.722	0.85560	0.732	0.88658	0.786

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.79306	0.834	-0.66764	0.668
X(3)	-0.02903	0.081	0.09676	0.247	0.12117	0.299
X(4)	0.34368	1.916	0.27921	1.414	0.25174	1.211
X(5)	0.00000	0.000	0.00000	0.000	0.12379	0.621
X(6)	-0.34741	2.084	-0.36701	2.153	-0.37931	2.149
X(7)	-1.05509	2.516	-1.18975	2.618	-1.31451	2.583
X(8)	0.09129	1.277	0.10821	1.439	0.10550	1.361
X(9)	0.03715	1.148	0.04486	1.317	0.05075	1.397
X(10)	-0.35931	1.831	-0.43757	1.990	-0.46411	2.016
X(11)	0.40872	2.663	0.44035	2.752	0.45796	2.740
X(12)	-0.29068	2.224	-0.31324	2.318	-0.33663	2.337
X(13)	-0.33030	2.347	-0.35257	2.431	-0.38198	2.439
X(14)	-0.52399	3.005	-0.60082	3.016	-0.61346	2.977
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED

	0.90091	0.812	0.90710	0.823	0.91072	0.829

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE2

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	-0.23299	0.799	-0.25153	0.843	-0.27118	0.895
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	-0.52941	1.962	-0.52117	1.930	-0.52046	1.910	-0.46663	1.592	-0.49308	1.652
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.04529	0.754
X(9)	0.00000	0.000	0.03502	0.993	0.03806	1.064	0.03241	0.858	0.01707	0.395
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.11720	0.565	0.17624	0.787
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO
	0.38587	0.149	0.43252	0.187	0.46068	0.212	0.47461	0.225	0.49898	0.249

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.93612	0.819
X(3)	-0.26284	0.852	-0.28096	0.886	-0.40587	1.000	-0.42840	1.028	-0.44495	1.054
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	-0.12389	0.638	-0.15316	0.742	-0.15314	0.725	-0.05424	0.198	0.02470	0.084
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	-0.42735	1.333	-0.40951	1.243	-0.41229	1.222	-0.65415	1.214	-0.75430	1.349
X(8)	-0.03952	0.640	-0.06137	0.806	-0.08394	0.938	-0.08604	0.940	-0.09697	1.036
X(9)	0.01185	0.265	0.00498	0.104	0.00414	0.085	0.00991	0.195	0.01065	0.207
X(10)	0.21190	0.904	0.25942	1.010	0.27566	1.041	0.25531	0.935	0.31193	1.095
X(11)	0.00000	0.000	-0.09505	0.514	-0.14520	0.681	-0.14748	0.676	-0.14504	0.657
X(12)	0.00000	0.000	0.00000	0.000	-0.01550	0.514	-0.04696	0.757	-0.07690	1.058
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.04690	0.584	-0.08161	0.891
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO
	0.51630	0.267	0.52770	0.278	0.53939	0.291	0.55481	0.308	0.58462	0.342

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.31823	0.965	0.90537	0.601	1.14463	0.690
X(3)	-0.43015	0.989	-0.22062	0.417	-0.38891	0.578
X(4)	0.00000	0.000	0.00000	0.000	0.14992	0.435
X(5)	0.04371	0.144	0.05397	0.174	0.02343	0.071
X(6)	-0.07590	0.548	-0.25211	0.898	-0.24128	0.824
X(7)	-0.48871	0.650	-0.67768	0.837	-0.70699	0.837
X(8)	-0.10320	1.065	-0.05142	0.422	-0.04183	0.325
X(9)	0.00028	0.005	0.00364	0.063	0.00054	0.009
X(10)	0.32282	1.099	0.16824	0.458	0.16544	0.433
X(11)	-0.15159	0.667	-0.05574	0.209	-0.05818	0.210
X(12)	-0.09878	1.166	-0.25343	1.102	-0.25005	1.046
X(13)	-0.10316	1.011	-0.26811	1.073	-0.27078	1.042
X(14)	0.00000	0.000	-0.23045	0.726	-0.19145	0.560
0	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO
	0.59821	0.358	0.62227	0.387	0.63133	0.399

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE3

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.30502	1.379
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.08006	2.231	-0.07755	2.209
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	-0.10988	2.922	-0.11411	3.317	-0.12676	3.638
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.39281	2.513	0.48084	3.499	0.37212	2.764	0.39819	2.996
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.04940	2.653	0.05509	3.267	0.04468	2.999	0.03764	2.695	0.02675	1.696
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.49232	0.242	0.64620	0.418	0.76928	0.592	0.82251	0.677	0.84109	0.707

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.47953	0.821	0.73426	1.083	0.83436	1.156
X(3)	-0.46466	2.093	-0.47444	2.215	-0.47669	2.202	-0.48198	2.195	-0.55386	2.101
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.08364	0.526
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.10707	0.773	0.08627	0.584
X(6)	-0.07498	2.290	-0.11095	2.803	-0.12207	2.891	-0.14639	2.756	-0.16036	2.643
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-0.18198	4.208	-0.18118	4.344	-0.18505	4.364	-0.18929	4.368	-0.17701	3.522
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.46384	3.613	0.47044	3.796	0.49869	3.841	0.48947	3.703	0.47104	3.360
X(11)	-0.21315	1.933	-0.23661	2.201	-0.24102	2.216	-0.22940	2.062	-0.21987	1.901
X(12)	0.01175	0.707	-0.02283	0.816	-0.03757	1.122	-0.05699	1.349	-0.06873	1.409
X(13)	0.00000	0.000	-0.04846	1.508	-0.06437	1.702	-0.08837	1.791	-0.10369	1.774
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.87186	0.760	0.88881	0.790	0.89388	0.799	0.89846	0.807	0.90070	0.811

	STEP NUMBER 11		STEP NUMBER 12		STEP NUM8ER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.81216	1.084	0.87511	1.016	0.87403	0.947
X(3)	-0.57354	2.062	-0.60923	1.715	-0.60903	1.627
X(4)	0.09678	0.574	0.10478	0.577	0.10465	0.545
X(5)	0.10566	0.653	0.10350	0.612	0.10378	0.564
X(6)	-0.14689	2.017	-0.12343	0.798	-0.12335	0.757
X(7)	-0.14139	0.365	-0.12180	0.291	-0.12275	0.261
X(8)	-0.17844	3.420	-0.18406	2.909	-0.18391	2.571
X(9)	0.00000	0.000	0.00000	0.000	0.00019	0.006
X(10)	0.46436	3.175	0.48244	2.614	0.48193	2.268
X(11)	-0.21965	1.835	-0.23134	1.631	-0.23111	1.499
X(12)	-0.07363	1.409	-0.05377	0.425	-0.05381	0.405
X(13)	-0.11233	1.730	-0.09154	0.666	-0.09161	0.634
X(14)	0.00000	0.000	0.03136	0.174	0.03124	0.164
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.90185	0.813	0.90213	0.814	0.90213	0.814

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE4

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	-1.06667	3.105	-0.96710	3.408	-0.94322	3.739	-1.00808	4.038	-1.09463	4.723
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	-0.16594	3.403	-0.17229	3.971	-0.14766	3.243	-0.14045	3.362
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.10228	2.170
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.24537	1.450	0.36788	2.233
X(11)	0.00000	0.000	0.00000	0.000	0.30115	2.570	0.28598	2.497	0.13604	1.084
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55205	0.305	0.74289	0.552	0.81435	0.663	0.83469	0.697	0.87156	0.760

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.40913	0.450	0.49267	0.519
X(3)	-1.15385	5.005	-1.16586	5.197	-1.34734	5.155	-1.37423	4.994	-1.36577	4.819
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.19389	1.409	0.28337	1.866	0.31452	1.842	0.29702	1.659
X(6)	-0.06276	0.896	-0.05218	0.761	-0.01708	0.236	-0.01763	0.236	-0.03043	0.376
X(7)	-0.51124	1.364	-0.66133	1.742	-0.79148	2.052	-0.74593	1.823	-0.67045	1.499
X(8)	-0.12026	2.511	-0.12869	2.742	-0.16536	3.054	-0.17403	2.955	-0.18701	2.836
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01797	0.497
X(10)	0.38131	2.364	0.33702	2.107	0.36897	2.325	0.39756	2.271	0.44132	2.202
X(11)	0.11315	0.914	0.14815	1.206	0.07214	0.538	0.06278	0.450	0.04626	0.314
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.06744	1.285	0.08995	1.222	0.09296	1.225
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.88507	0.783	0.89847	0.807	0.90904	0.826	0.91040	0.829	0.91215	0.832

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.50033	0.507	0.35547	0.360	0.29790	0.272
X(3)	-1.33722	4.202	-1.17791	3.393	-1.13741	2.557
X(4)	0.00000	0.000	0.00000	0.000	-0.03607	0.158
X(5)	0.31346	1.579	0.37181	1.824	0.37916	1.735
X(6)	-0.02774	0.327	-0.20794	1.129	-0.21055	1.087
X(7)	-0.71516	1.426	-0.92069	1.733	-0.91364	1.636
X(8)	-0.18152	2.509	-0.14262	1.783	-0.14492	1.704
X(9)	-0.01658	0.436	-0.01414	0.374	-0.01339	0.336
X(10)	0.43509	2.074	0.30105	1.249	0.30173	1.195
X(11)	0.05918	0.365	0.13457	0.769	0.13515	0.737
X(12)	0.00000	0.000	-0.16573	1.099	-0.16655	1.054
X(13)	-0.00668	0.236	-0.18422	1.124	-0.18358	1.069
X(14)	0.09409	1.192	-0.11797	0.567	-0.12735	0.563
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.91258	0.833	0.92160	0.849	0.92180	0.850

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE5

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	1.01709	1.103
X(3)	-0.80000	2.286	-0.84290	2.485	-0.85104	2.583	-0.87416	2.658	-0.80725	2.427
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.21743	1.075	0.23119	1.147
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	-0.47519	1.509	-0.57257	1.753	-0.51756	1.576
X(8)	0.00000	0.000	-0.09194	1.597	-0.10938	1.917	-0.12785	2.153	-0.12782	2.165
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.43818	0.192	0.52870	0.280	0.59426	0.353	0:62470	0.390	0.65488	0.429

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	2.38354	1.944	2.86596	2.194	3.10517	2.238	3.00196	2.059	3.04687	2.037
X(3)	-1.03179	2.964	-1.09682	3.111	-1.30701	2.638	-1.32818	2.585	-1.36879	2.579
X(4)	0.00000	0.000	0.00000	0.000	0.17495	0.617	0.14863	0.493	0.19325	0.608
X(5)	0.46575	1.924	0.46366	1.921	0.41123	1.579	0.40215	1.492	0.46249	1.570
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	-0.39640	1.224	-0.24435	0.691	-0.21794	0.600	-0.24068	0.634	-0.60246	0.826
X(8)	-0.16793	2.714	-0.18347	2.892	-0.16955	2.474	-0.17632	2.413	-0.17366	2.316
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.24616	1.050	0.22653	0.939	0.22545	0.907	0.21283	0.833
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01179	0.360	-0.06524	0.671
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.06842	0.586
X(14)	0.15068	1.607	0.17257	1.802	0.20744	1.838	0.18375	1.375	0.14390	0.941
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.71008	0.504	0.73225	0.536	0.74004	0.548	0.74284	0.552	0.75056	0.563

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	2.95813	1.942	2.86564	1.793	2.84424	1.662
X(3)	-1.21833	2.126	-1.10751	1.680	-1.10364	1.590
X(4)	0.16460	0.507	0.16611	0.493	0.16352	0.459
X(5)	0.48674	1.618	0.49991	1.592	0.50538	1.482
X(6)	-0.19228	0.776	-0.24201	0.843	-0.24038	0.795
X(7)	-0.56091	0.755	-0.60061	0.772	-0.61945	0.711
X(8)	-0.15502	1.941	-0.12269	1.045	-0.11965	0.902
X(9)	0.00000	0.000	0.00000	0.000	0.00381	0.061
X(10)	0.11547	0.401	0.05058	0.148	0.04061	0.103
X(11)	0.00000	0.000	0.10222	0.388	0.10686	0.374
X(12)	-0.20761	0.997	-0.24323	1.036	-0.24417	0.990
X(13)	-0.21343	0.964	-0.25640	1.006	-0.25773	0.961
X(14)	-0.04059	0.143	-0.10214	0.305	-0.10448	0.296
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.76434	0.584	0.76801	0.590	0.76811	0.590

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE6

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.67607	0.918
X(3)	0.00000	0.000	0.00000	0.000	-0.49514	1.883	-0.45689	1.803	-0.45483	1.788
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	-0.13135	3.094	-0.12893	3.214	-0.15497	3.725	-0.14854	3.507
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.09503	4.809	0.08680	5.115	0.07060	3.880	0.05115	2.428	0.05293	2.492
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.08506	1.650	-0.05739	0.958
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.71587	0.512	0.81556	0.665	0.84592	0.716	0.86673	0.751	0.87312	0.762

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.76353	1.028	1.12206	1.287	1.07592	1.208	1.13947	1.229	1.15111	1.206
X(3)	-0.51682	1.971	-0.55976	2.072	-0.53399	1.921	-0.49526	1.656	-0.43743	1.312
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.14436	0.808	0.12746	0.693	0.14051	0.735	0.14713	0.745
X(6)	-0.15307	3.591	-0.14822	3.408	-0.15713	3.390	-0.22418	1.403	-0.24062	1.428
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-0.04050	0.990	-0.05468	1.218	-0.06419	1.337	-0.06059	1.211	-0.04186	0.634
X(9)	0.00000	0.000	0.00000	0.000	-0.02101	0.652	-0.02519	0.731	-0.02445	0.688
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.07146	0.453
X(12)	0.04621	2.071	0.05031	2.177	0.05003	2.126	-0.00627	0.048	-0.01631	0.120
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.06002	0.440	-0.07471	0.518
X(14)	-0.05493	0.916	-0.01400	0.177	-0.01965	0.243	-0.08388	0.499	-0.10549	0.587
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.88051	0.775	0.88549	0.784	0.88885	0.790	0.89046	0.793	0.89226	0.796

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.09140	1.018	1.08140	0.958	1.03937	0.815
X(3)	-0.39741	0.902	-0.40086	0.867	-0.38499	0.744
X(4)	-0.03553	0.147	-0.03408	0.135	-0.03369	0.127
X(5)	0.15548	0.730	0.16164	0.679	0.16580	0.652
X(6)	-0.24291	1.381	-0.23951	1.263	-0.24884	1.105
X(7)	0.00000	0.000	-0.04181	0.072	-0.06239	0.096
X(8)	-0.04404	0.627	-0.04425	0.603	-0.03877	0.392
X(9)	-0.02355	0.629	-0.02285	0.568	-0.02117	0.457
X(10)	0.00000	0.000	0.00000	0.000	-0.02591	0.088
X(11)	0.07234	0.441	0.07264	0.424	0.08275	0.388
X(12)	-0.01767	0.125	-0.01994	0.132	-0.02813	0.153
X(13)	-0.07482	0.499	-0.07810	0.479	-0.08721	0.437
X(14)	-0.11540	0.581	-0.11713	0.561	-0.12998	0.495
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.89247	0.796	0.89252	0.797	0.89261	0.797

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE7

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	-0.60898	1.858	-0.77448	2.490	-1.02164	2.965	-1.11326	3.171
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.22882	1.488	0.20664	1.299
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	-0.10504	2.191	-0.08881	1.857	-0.13404	2.170
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.18056	1.144
X(12)	0.09503	4.565	0.07491	3.326	0.05827	2.640	0.05456	2.529	0.04219	1.759
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.69744	0.486	0.74759	0.559	0.80265	0.644	0.82547	0.681	0.83844	0.703

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.76621	1.018	-0.82402	1.065	-0.74168	0.890	-0.95320	0.763
X(3)	-1.14455	3.229	-1.16270	3.280	-1.21852	3.266	-1.22567	3.182	-1.17270	2.557
X(4)	0.21832	1.396	0.21531	1.378	0.28650	1.449	0.26830	1.273	0.23653	0.920
X(5)	0.00000	0.000	0.00000	0.000	-0.12443	0.609	-0.12592	0.597	-0.14275	0.621
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	-0.22623	0.912	-0.27220	1.080	-0.23539	0.891	-0.19828	0.676	-0.22602	0.693
X(8)	-0.14321	2.278	-0.14432	2.298	-0.12931	1.883	-0.13885	1.824	-0.13645	1.716
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.07236	0.340	0.06421	0.288
X(11)	-0.18805	1.184	-0.20598	1.290	-0.21295	1.304	-0.23068	1.309	-0.22345	1.207
X(12)	0.04092	1.695	0.04544	1.853	0.04607	1.840	0.04452	1.699	0.04173	1.408
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.02703	0.234
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.84666	0.717	0.85677	0.734	0.86050	0.740	0.86174	0.743	0.86236	0.744

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.94100	0.724	-0.99263	0.728	-1.05952	0.727
X(3)	-1.18334	2.473	-1.10863	1.970	-1.09653	1.855
X(4)	0.25216	0.916	0.24424	0.849	0.23617	0.779
X(5)	-0.12184	0.478	-0.11111	0.415	-0.09403	0.324
X(6)	0.00000	0.000	-0.06982	0.285	-0.06472	0.251
X(7)	-0.35179	0.552	-0.35078	0.528	-0.40967	0.552
X(8)	-0.13431	1.617	-0.11987	1.196	-0.11037	0.976
X(9)	0.00000	0.000	0.00000	0.000	0.01192	0.225
X(10)	0.05812	0.249	0.01169	0.040	-0.01949	0.058
X(11)	-0.21886	1.133	-0.19034	0.847	-0.17583	0.722
X(12)	0.02354	0.280	-0.02782	0.139	-0.03076	0.146
X(13)	-0.02360	0.233	-0.07779	0.358	-0.08195	0.359
X(14)	-0.04126	0.306	-0.11211	0.393	-0.11943	0.398
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.86303	0.745	0.86411	0.747	0.86485	0.748

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE8

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	1.57888	2.094	1.37221	1.848	1.36281	1.865
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.41797	1.531	-0.45780	1.691
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	-0.15945	2.662	-0.17285	3.379	-0.17311	3.647	-0.16611	3.597	-0.14799	3.105
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	-0.15471	3.063	-0.15777	3.364	-0.16239	3.569	-0.13712	2.796
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.04631	1.266
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.49365	0.244	0.69084	0.477	0.75580	0.571	0.78632	0.618	0.80593	0.650

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.32607	1.822	1.58618	2.029	1.74980	2.106	1.69536	1.956	1.69738	1.895
X(3)	-0.61156	2.010	-0.57815	1.881	-0.58998	1.884	-0.64354	1.837	-0.67519	1.798
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.07037	0.390	0.11034	0.492
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.07461	0.320
X(6)	-0.13139	2.637	-0.20286	2.221	-0.20172	2.171	-0.19648	2.034	-0.20369	1.990
X(7)	0.00000	0.000	0.48133	0.935	0.53291	1.007	0.46796	0.822	0.53129	0.855
X(8)	-0.15530	3.011	-0.15369	2.967	-0.16643	2.977	-0.15799	2.570	-0.15142	2.267
X(9)	0.04911	1.346	0.04016	1.061	0.02982	0.721	0.03062	0.718	0.02653	0.578
X(10)	0.00000	0.000	0.00000	0.000	0.14336	0.681	0.12039	0.536	0.12780	0.548
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.02964	1.087	0.03767	1.314	0.03685	1.262	0.03327	1.059	0.03469	1.058
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.81995	0.672	0.83024	0.689	0.83583	0.699	0.83777	0.702	0.83915	0.704

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.71123	1.823	1.55138	1.099	1.53012	1.025
X(3)	-0.66578	1.673	-0.61170	1.135	-0.58898	0.972
X(4)	0.11649	0.488	0.09129	0.308	0.09024	0.291
X(5)	-0.06840	0.276	-0.08258	0.301	-0.07448	0.250
X(6)	-0.20440	1.917	-0.20909	1.815	-0.23353	0.886
X(7)	0.52216	0.803	0.52901	0.778	0.50143	0.660
X(8)	-0.14428	1.591	-0.13933	1.397	-0.13413	1.158
X(9)	0.02796	0.569	0.02894	0.560	0.02929	0.540
X(10)	0.11580	0.442	0.10397	0.367	0.08587	0.250
X(11)	0.02432	0.122	0.03550	0.162	0.04571	0.183
X(12)	0.00000	0.000	0.00000	0.000	-0.02243	0.104
X(13)	0.03276	0.871	0.03412	0.850	0.01013	0.043
X(14)	0.00000	0.000	-0.01992	0.157	-0.04887	0.159
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.83937	0.705	0.83977	0.705	0.83996	0.706

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE9

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	1.24175	1.675	1.34060	1.819
X(3)	-0.73333	2.222	-0.66600	2.161	-0.71292	2.546	-0.62984	2.309	-0.63802	2.367
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.19205	1.212
X(6)	0.00000	0.000	-0.11222	2.119	-0.12108	2.515	-0.12267	2.660	-0.13015	2.831
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	-0.11193	2.360	-0.11334	2.494	-0.12717	2.746
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.42817	0.183	0.57199	0.327	0.68826	0.474	0.73581	0.541	0.75894	0.576

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.19493	1.568	1.35498	1.742	1.38668	1.741	1.40741	1.732	1.47053	1.713
X(3)	-0.66562	2.434	-0.85386	2.581	-0.74465	1.927	-0.73871	1.874	-0.75144	1.839
X(4)	0.00000	0.000	0.00000	0.000	-0.11945	0.583	-0.14532	0.683	-0.16070	0.717
X(5)	0.16271	0.996	0.17548	1.072	0.24820	1.189	0.27684	1.273	0.27099	1.204
X(6)	-0.12803	2.759	-0.13694	2.901	-0.13836	2.867	-0.12916	2.520	-0.12329	2.222
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-0.14869	2.803	-0.18291	2.907	-0.19945	2.839	-0.18711	2.524	-0.20201	2.309
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.02565	0.647	0.01973	0.446
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.08609	0.352
X(11)	-0.12795	0.853	-0.19759	1.197	-0.20556	1.216	-0.19297	1.112	-0.21743	1.131
X(12)	0.00000	0.000	-0.02611	1.010	-0.02613	0.990	-0.02588	0.961	-0.02709	0.967
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.77032	0.593	0.78599	0.618	0.79135	0.626	0.79818	0.637	0.80032	0.641

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.60719	1.622	1.44611	1.021	1.45142	0.971
X(3)	-0.74274	1.749	-0.69228	1.289	-0.69949	1.153
X(4)	-0.15989	0.688	-0.18826	0.635	-0.18849	0.606
X(5)	0.24962	1.027	0.23382	0.863	0.23094	0.775
X(6)	-0.15336	1.372	-0.16217	1.266	-0.15489	0.587
X(7)	0.19717	0.314	0.21360	0.322	0.22354	0.294
X(8)	-0.20293	2.236	-0.19952	2.060	-0.20131	1.736
X(9)	0.01404	0.284	0.01470	0.285	0.01456	0.268
X(10)	0.10548	0.404	0.09393	0.334	0.09963	0.289
X(11)	-0.22227	1.112	-0.21415	1.000	-0.21767	0.871
X(12)	-0.02986	0.984	-0.03303	0.893	-0.02625	0.122
X(13)	0.00000	0.000	0.00000	0.000	0.00750	0.032
X(14)	0.00000	0.000	-0.02401	0.166	-0.01542	0.050
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.80215	0.643	0.80270	0.644	0.80273	0.644

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE10

STEP NUMBER 1	STEP NUMBER 2	STEP NUMBER 3	STEP NUMBER 4	STEP NUMBER 5

	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	1.37237	1.495
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.32459	1.877	0.47392	2.573	0.48050	2.691
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.38268	1.787	-0.35442	1.701
X(6)	0.00000	0.000	-0.11232	1.763	-0.12255	2.027	-0.11428	1.985	-0.11943	2.137
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.07206	2.736	0.06502	2.553	0.06826	2.829	0.07021	3.061	0.06006	2.585
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.50385	0.254	0.59165	0.350	0.66887	0.447	0.72587	0.527	0.76103	0.579

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	2.80442	2.331	2.51556	2.092	2.27479	1.873	2.02219	1.631	1.91712	1.497
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.61142	3.292	0.55448	2.956	0.56593	3.031	0.59433	3.149	0.55310	2.702
X(5)	-0.14140	0.606	-0.14637	0.639	-0.12054	0.527	-0.03636	0.149	0.01620	0.061
X(6)	-0.25952	2.675	-0.45675	2.528	-0.53500	2.768	-0.52508	2.715	-0.48721	2.348
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.64761	1.008	-0.77670	1.124
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.02851	0.607
X(10)	0.00000	0.000	0.00000	0.000	-0.24566	1.096	-0.30439	1.315	-0.34328	1.398
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	-0.06368	0.849	-0.23678	1.542	-0.28593	1.797	-0.34883	2.042	-0.33729	1.918
X(13)	-0.16291	1.725	-0.32700	2.072	-0.37060	2.290	-0.45009	2.501	-0.43739	2.360
X(14)	0.00000	0.000	-0.24523	1.284	-0.30822	1.554	-0.37530	1.795	-0.36372	1.693
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.80116	0.642	0.82178	0.675	0.83629	0.699	0.84836	0.720	0.85290	0.727

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	2.17244	1.581	2.16705	1.518	2.19574	1.410
X(3)	-0.32343	0.623	-0.37656	0.673	-0.39213	0.621
X(4)	0.67412	2.358	0.69755	2.293	0.69383	2.143
X(5)	0.00822	0.030	-0.02417	0.082	-0.02300	0.074
X(6)	-0.44113	1.960	-0.42936	1.818	-0.42135	1.533
X(7)	-0.80837	1.139	-0.78167	1.055	-0.77125	0.973
X(8)	0.00000	0.000	0.00000	0.000	-0.00809	0.067
X(9)	0.03007	0.624	0.03032	0.606	0.02891	0.511
X(10)	-0.32308	1.274	-0.30927	1.162	-0.29419	0.820
X(11)	0.00000	0.000	-0.05969	0.353	-0.07246	0.278
X(12)	-0.31247	1.694	-0.30390	1.573	-0.29743	1.326
X(13)	-0.41213	2.123	-0.40182	1.972	-0.39394	1.615
X(14)	-0.29130	1.170	-0.27408	1.042	-0.26310	0.820
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.85789	0.736	0.85962	0.739	0.85968	0.739

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE11

STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL

X(2)	0.00000	0.000	0.00000	0.000	1.28983	1.768	2.34507	2.820	2.34614	2.936
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.26488	1.993	0.28032	2.209	0.46040	3.203	0.38348	2.623
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.06787	1.605
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.07992	4.090	0.08309	4.513	0.07394	4.043	0.10265	4.777	0.09116	4.172
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.15239	2.149	0.13751	1.999
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.65722	0.432	0.72271	0.522	0.76610	0.587	0.81711	0.668	0.84219	0.709

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	2.73655	3.360	3.14669	3.679	3.35826	3.649	3:41082	3.846	3.31786	3.698
X(3)	-0.51060	1.509	-0.49541	1.495	-0.53899	1.573	-0.39299	1.141	-0.42523	1.222
X(4)	0.56717	3.041	0.49775	2.621	0.54067	2.669	0.49838	2.528	0.51998	2.606
X(5)	0.00000	0.000	0.23088	1.323	0.24396	1.368	0.28734	1.649	0.34291	1.852
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.19806	1.476	-0.17407	1.267
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.41345	0.925
X(8)	-0.06981	1.708	-0.09674	2.155	-0.08971	1.920	-0.07898	1.733	-0.08372	1.817
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.08669	4.065	0.08985	4.277	0.07110	2.075	-0.08642	0.774	-0.11511	0.988
X(13)	0.00000	0.000	0.00000	0.000	-0.02693	0.700	-0.18975	1.631	-0.22893	1.840
X(14)	0.19651	2.548	0.23705	2.910	0.23943	2.890	0.04363	0.282	0.01989	0.126
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.86232	0.744	0.87686	0.769	0.88101	0.776	0.89796	0.806	0.90460	0.818

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	3.22822	3.321	3.18245	3.104	3.12519	2.861
X(3)	-0.40600	1.110	-0.40909	1.074	-0.35663	0.805
X(4)	0.52502	2.531	0.51796	2.383	0.51672	2.274
X(5)	0.34541	1.798	0.35836	1.746	0.36831	1.692
X(6)	-0.19583	1.238	-0.18547	1.099	-0.20651	1.071
X(7)	-0.44578	0.940	-0.49113	0.944	-0.52287	0.940
X(8)	-0.07811	1.532	-0.07393	1.340	-0.05721	0.675
X(9)	0.00000	0.000	0.01015	0.277	0.01298	0.327
X(10)	-0.05813	0.316	-0.07683	0.379	-0.11326	0.450
X(11)	0.00000	0.000	0.00000	0.000	0.04918	0.269
X(12)	-0.13272	0.998	-0.13091	0.945	-0.14755	0.937
X(13)	-0.24715	1.750	-0.24550	1.668	-0.26572	1.553
X(14)	-0.00483	0.027	-0.00363	0.019	-0.03290	0.146
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.90542	0.820	0.90611	0.821	0.90683	0.822

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE12

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	1.16879	1.924	1.33305	2.154

X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	-0.13099	2.865	-0.14653	3.721	-0.15110	4.080	-0.13485	3.430
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	-0.11817	2.969	-0.12709	3.376	-0.13658	3.574
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.17509	1.156
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.06576	3.161	0.05756	3.149	0.04402	2.708	0.03433	2.136	0.03568	2.234
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55891	0.312	0.71108	0.506	0.81047	0.657	0.84428	0.713	0.85594	0.733

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.33894	2.194	1.32065	2.166	1.66375	2.102	1.67396	2.053	1.47544	1.605
X(3)	-0.29991	1.226	-0.43173	1.565	-0.51245	1.689	-0.48570	1.517	-0.35586	0.864
X(4)	0.00000	0.000	0.13056	1.025	0.21649	1.211	0.22988	1.227	0.19627	0.968
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	-0.13238	3.409	-0.13839	3.529	-0.17508	2.652	-0.17670	2.594	-0.26235	1.475
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	-0.14908	3.818	-0.13777	3.400	-0.12770	2.926	-0.11268	1.885	-0.09321	1.299
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.20106	1.332	0.16134	1.037	0.15469	0.976	0.13475	0.786	0.07691	0.370
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.05370	0.381	0.09312	0.571
X(12)	0.02493	1.383	0.02252	1.241	-0.01197	0.227	-0.00888	0.161	-0.07377	0.542
X(13)	0.00000	0.000	0.00000	0.000	-0.04449	0.697	-0.04500	0.685	-0.11131	0.776
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.10571	0.524
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.86854	0.754	0.87722	0.770	0.88133	0.777	0.88263	0.779	0.88522	0.784

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.57249	1.539	1.56750	1.456	1.56235	1.343
X(3)	-0.34679	0.809	-0.34545	0.769	-0.34515	0.732
X(4)	0.18186	0.837	0.18058	0.785	0.18094	0.748
X(5)	0.05107	0.265	0.05209	0.257	0.05377	0.232
X(6)	-0.26983	1.445	-0.26927	1.376	-0.26914	1.310
X(7)	0.00000	0.000	0.00000	0.000	-0.01091	0.018
X(8)	-0.09744	1.279	-0.09645	1.144	-0.09613	1.066
X(9)	0.00000	0.000	0.00133	0.035	0.00161	0.038
X(10)	0.07663	0.355	0.07388	0.310	0.07210	0.269
X(11)	0.09620	0.567	0.09753	0.538	0.09829	0.506
X(12)	-0.07968	0.557	-0.07932	0.529	-0.08039	0.480
X(13)	-0.11859	0.783	-0.11818	0.745	-0.11955	0.656
X(14)	-0.10469	0.500	-0.10475	0.479	-0.10602	0.442
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.88593	0.785	0.88594	0.785	0.88595	0.785

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGE1	JUDGE2	JUDGE3	JUDGE4	JUDGE5	JUDGE6	JUDGE7	JUDGE8	JUDGE9	JUDGE10	JUDGE11	JUDGE12
1	7250	-9.09370	-7.44804	-3.73764	-6.04809	-7.28035	-2.71990	-2.77474	-2.37215	-3.43642	-9.02899		

		-4.63909	-3.90818								
2	7311	-9.62056	-8.14718	-4.32263	-7.66420	-8.85401	-2.92364	-2.79747	-3.12600	-3.78392	-9.97709
		-5.71459	-4.73177								
3	7369	-12.63603	-7.18227	-2.07550	-5.97251	-6.54629	-3.24750	-2.63566	-2.28621	-2.54620	-8.46600
		-3.29924	-3.88737								
4	7405	-9.45599	-7.96225	-2.68673	-8.00668	-8.44794	-3.19453	-1.66480	-1.06335	-2.89828	-7.20542
		-3.40967	-3.13161								
5	7420	-8.78399	-7.63854	-2.88174	-6.82065	-8.65457	-2.70542	-2.46944	-2.11206	-2.60554	-9.29873
		-5.02420	-3.80948								
6	7428	-10.90853	-7.11530	-2.97202	-6.24562	-6.92981	-3.45777	-2.76935	-2.39029	-2.85124	-8.69872
		-4.33215	-4.23841								
7	7429	-12.97300	-7.09539	-1.37484	-5.09221	-6.16653	-3.84149	-2.90173	-1.47136	-1.59151	-10.77983
		-4.86824	-3.91354								
8	7437	-10.60816	-8.48739	-3.42799	-7.30737	-9.19821	-3.03243	-2.74328	-2.38457	-2.69047	-10.60315
		-5.96033	-4.28048								
9	7439	-8.79052	-7.45224	-2.38473	-5.51051	-7.23687	-1.98792	-1.08808	-1.32738	-1.95061	-8.49546
		-4.06814	-3.06206								
10	7447	-8.56566	-8.40193	-4.93614	-7.37763	-9.24198	-2.25356	-2.92090	-3.50600	-4.56553	-9.90980
		-5.61886	-4.59069								
11	7450	-8.69174	-7.60953	-3.41364	-6.34998	-7.40310	-2.71630	-2.15238	-1.77138	-2.83204	-9.12264
		-4.72295	-3.67126								
12	7458	-9.23510	-7.50008	-2.55981	-5.91235	-7.60804	-2.14380	-1.21993	-1.69667	-2.14549	-8.62240
		-4.38883	-3.39658								
13	7464	-8.38168	-7.01862	-2.19595	-5.06865	-6.72837	-2.41488	-1.24324	-1.13467	-2.20999	-8.35192
		-3.98662	-2.97412								
14	7465	-9.49159	-7.21985	-3.55912	-7.12862	-7.79929	-4.61093	-2.88203	-2.80062	-3.36224	-9.02085
		-5.17574	-4.76710								
15	7506	-10.69843	-7.74129	-1.71113	-5.53926	-7.82194	-1.78396	-1.04274	-1.32604	-1.65906	-9.39047
		-4.55755	-3.07152								
16	7513	-8.65789	-7.61330	-2.96509	-6.22427	-7.83556	-2.23205	-2.66628	-1.53662	-1.65375	-9.34401
		-5.08076	-3.46302								
17	7517	-9.32868	-8.19498	-3.72885	-6.96560	-8.78639	-2.19491	-3.12960	-2.78160	-2.93524	-10.02706
		-5.33371	-4.05808								
18	7524	-7.27190	-7.40749	-3.47425	-5.35499	-7.04057	-1.35597	-2.17454	-1.90131	-2.70516	-8.60618
		-4.14951	-3.13584								
19	7531	-10.26231	-8.32941	-3.90395	-7.57431	-9.60575	-3.43780	-3.35937	-3.53104	-3.74582	-11.13816
		-6.34810	-5.00721								
20	7532	-14.05001	-8.32774	-3.76188	-6.50580	-5.93608	-5.31924	-6.71173	-6.08613	-4.00555	-12.98279
		-4.09110	-6.85859								
21	7543	-11.60673	-8.57501	-4.28900	-8.38810	-7.44370	-5.17576	-4.36648	-4.39854	-4.31649	-10.38103
		-4.02377	-5.80679								
22	7544	-9.16983	-7.65436	-3.76160	-7.31294	-9.68161	-2.59315	-3.99269	-2.77880	-3.96023	-10.35013
		-6.49426	-4.27488								
23	7554	-8.76375	-8.05959	-4.29807	-6.96343	-8.30378	-3.06169	-3.67254	-3.48777	-3.27339	-10.41100
		-5.52993	-4.83263								
24	7557	-9.06510	-8.59180	-4.72110	-7.58320	-8.57846	-4.01270	-3.99818	-2.67655	-4.02440	-11.06647
		-5.87220	-4.67215								
25	7561	-11.17616	-8.10341	-3.32483	-7.25931	-8.19360	-4.14609	-3.52763	-2.25902	-2.35413	-11.09624
		-6.03422	-4.67926								
26	7563	-7.73699	-8.44573	-5.21452	-6.92245	-7.92256	-3.53150	-4.66047	-3.02219	-4.87855	-10.94409
		-5.09456	-4.35111								
27	7566	-10.61663	-6.78249	-1.69844	-5.40187	-6.60070	-3.85806	-3.27113	-1.26250	-1.64305	-9.67221
		-4.98766	-3.74885								
28	7607	-7.64046	-7.90059	-3.93820	-6.30393	-7.77191	-3.21993	-3.51624	-1.67937	-3.75728	-9.60221
		-4.78031	-3.53927								
29	7610	-9.19389	-7.62671	-2.93622	-6.13493	-7.99151	-1.59027	-1.52728	-1.94379	-2.64234	-8.53355
		-4.42818	-3.28115								
30	7616	-8.68268	-7.35625	-2.70999	-5.91465	-7.46811	-2.67600	-1.32289	-1.92630	-2.07622	-8.88107
		-4.62800	-3.81941								
31	7630	-12.70030	-8.77153	-4.57540	-9.28624	-9.52947	-5.64752	-4.38123	-4.79173	-4.53637	-12.29408
		-6.57966	-6.57478								
32	7642	-6.48041	-8.41089	-5.31175	-4.99240	-6.61454	-4.21922	-3.37603	-3.65831	-5.21927	-11.97598
		-5.01901	-4.90080								
33	7652	-12.40624	-7.26903	-3.27287	-6.83359	-7.43689	-5.73792	-3.79442	-4.85694	-3.73884	-11.10864

		-5.36530	-6.19690									
34	7665	-8.08303	-7.61820	-3.50115	-6.16063	-6.67129	-2.48721	-3.38030	-2.67079	-2.67901	-8.42658	
		-3.26288	-3.83698									
35	7672	-9.92100	-7.47714	-1.86509	-5.47431	-7.95670	-1.55949	-1.63468	-0.85675	-1.52007	-9.50249	
		-5.19509	-2.94246									
36	7677	-9.57998	-7.08161	-2.64675	-6.13899	-7.20094	-3.40213	-2.60736	-2.49914	-2.71509	-8.79883	
		-4.06602	-3.90220									
37	7680	-9.88190	-7.44134	-2.84175	-5.92520	-6.89121	-3.00686	-2.06445	-1.67354	-2.12115	-8.80097	
		-4.44301	-3.82099									
38	7687	-8.31958	-6.88210	-2.42489	-5.64564	-7.08131	-1.79555	-0.99513	-1.63435	-2.44613	-7.23699	
		-3.50899	-2.92950									
39	7706	-14.31977	-5.88961	-1.84655	-5.98683	-3.50912	-3.08823	-4.94152	-1.29117	-1.64783	-6.81338	
		-0.81997	-3.05455									
40	7709	-7.99368	-7.62080	-3.17073	-4.80984	-6.71464	-2.35281	-2.09483	-0.90779	-1.81117	-10.08559	
		-5.29784	-3.21666									
41	7711	-14.24575	-8.57186	-2.94317	-10.65510	-8.47598	-6.54223	-2.73488	-2.55214	-4.73763	-8.07558	
		-3.00243	-4.91359									
42	7730	-6.31831	-9.01429	-6.86124	-5.95411	-6.69938	-4.38722	-6.32887	-4.18267	-6.17341	-13.11697	
		-5.38727	-5.20798									
43	7738	-12.08425	-7.10467	-1.82230	-6.34172	-5.20573	-2.31881	-2.90559	-0.28145	-0.20553	-8.74772	
		-2.76794	-2.79731									
44	7741	-9.74909	-7.29050	-3.39733	-7.41532	-7.97388	-3.30402	-3.11564	-2.68784	-3.93189	-7.54164	
		-3.62826	-3.90818									
45	7755	-10.56555	-7.72021	-2.49741	-5.76654	-8.22728	-2.30402	-2.35043	-1.02280	-1.58533	-10.74414	
		-6.55784	-3.62695									
46	7758	-8.71749	-7.65290	-2.95948	-6.77684	-8.50677	-2.48532	-2.33479	-2.23053	-3.38656	-8.59893	
		-4.23187	-3.44757									
47	7761	-10.16912	-7.88770	-1.46894	-5.05336	-7.62018	-1.09717	-1.03678	-0.23467	-0.78323	-9.53757	
		-4.62999	-2.38283									
48	7768	-8.93398	-7.62915	-2.78227	-5.35887	-6.53703	-1.85915	-1.68201	-2.67412	-2.52107	-8.52012	
		-3.10502	-3.58232									
49	7770	-13.27094	-7.74156	-2.30400	-5.92240	-7.10315	-3.53133	-2.72818	-2.26114	-1.92554	-10.47853	
		-5.01467	-4.40230									
50	7772	-10.23760	-8.03579	-3.41506	-6.61691	-8.22557	-3.66310	-3.01358	-3.15609	-2.50269	-11.15491	
		-5.96633	-4.90252									
51	7775	-12.16306	-8.22932	-3.90858	-7.75151	-8.39440	-4.06502	-4.59069	-2.96736	-3.83438	-10.05871	
		-4.98588	-4.79063									
52	7778	-10.77101	-7.96144	-3.40364	-7.23293	-8.69690	-3.94674	-3.60587	-1.93843	-2.53186	-10.67937	
		-6.48099	-4.56048									
53	7785	-13.84661	-8.10259	-2.49962	-6.67028	-8.53950	-4.59702	-4.01589	-2.59405	-2.21050	-12.67040	
		-7.06601	-5.16015									
54	7789	-10.38900	-7.71168	-2.59309	-4.97970	-6.34543	-2.31704	-2.20269	-3.11998	-2.00621	-10.12859	
		-3.93862	-4.18391									
55	7795	-15.80633	-5.42821	0.49518	-4.85716	-4.03092	-4.68605	-3.70442	-1.95191	-1.68139	-6.85115	
		-0.74883	-3.35303									
56	7800	-11.27505	-8.62766	-4.01828	-7.30841	-8.61243	-3.90377	-4.36565	-1.52588	-1.68566	-11.86045	
		-7.36351	-4.79994									
57	7801	-14.19547	-8.11395	-2.26976	-7.59122	-7.24492	-4.79611	-3.90945	-2.09152	-1.81953	-10.71561	
		-4.66763	-4.68107									
58	7808	-14.10413	-8.47495	-3.11044	-8.27190	-8.39711	-5.10101	-4.09620	-2.32191	-2.32688	-11.73793	
		-6.30887	-5.19062									
59	7816	-11.99297	-8.31065	-5.14520	-9.25451	-9.22520	-5.94148	-4.92516	-5.31048	-5.56998	-11.11952	
		-5.97328	-6.77054									
60	7819	-10.09942	-8.37270	-3.99270	-6.21558	-7.85072	-2.55244	-3.38487	-3.59043	-3.28113	-11.12964	
		-5.40709	-4.88755									
61	7828	-10.88429	-7.77996	-2.62762	-6.04018	-7.08071	-3.23331	-2.19721	-1.69296	-1.33411	-10.51096	
		-5.46784	-4.19559									
62	7830	-8.90433	-7.36569	-2.90578	-5.73260	-7.61698	-1.68005	-1.81702	-1.33138	-1.81069	-8.96395	
		-5.19074	-3.24496									
63	7832	-12.62797	-8.26455	-2.93379	-7.27875	-7.99971	-4.72789	-2.22228	-3.12592	-2.43108	-11.89053	
		-6.14056	-5.47665									
64	7833	-9.17005	-10.92156	-7.52289	-8.62599	-8.88534	-5.39785	-6.98615	-3.02658	-6.25360	-15.87418	
		-7.63488	-5.56953									
65	7838	-12.45020	-7.13685	-3.38141	-7.09742	-7.26906	-4.50671	-4.83985	-3.33328	-3.43396	-9.54018	

		-4.68957	-5.01554								
66	7839	-10.11292	-8.61948	-5.57147	-8.80894	-9.87912	-5.05954	-4.32029	-3.98842	-4.77785	-11.33308
		-7.36315	-6.13641								

CORRELATIONS BETWEEN SCORES

		JUDGE1 1	JUDGE2 2	JUDGE3 3	JUDGE4 4	JUDGE5 5	JUDGE6 6	JUDGE7 7	JUDGE8 8	JUDGE9 9	JUDGE10 10
JUDGE1	1	1.0000									
JUDGE2	2	-0.1629	1.0000								
JUDGE3	3	-0.4194	0.7927	1.0000							
JUDGE4	4	0.2890	0.5866	0.5071	1.0000						
JUDGE5	5	-0.2142	0.6479	0.5164	0.6417	1.0000					
JUDGE6	6	0.5495	0.3633	0.3465	0.6608	0.1377	1.0000				
JUDGE7	7	0.2866	0.4568	0.5975	0.4710	0.0614	0.6978	1.0000			
JUDGE8	8	0.1271	0.4428	0.6199	0.4881	0.2758	0.6217	0.6357	1.0000		
JUDGE9	9	-0.2271	0.6095	0.8523	0.5793	0.4236	0.5291	0.6092	0.7565	1.0000	
JUDGE10	10	0.0713	0.7873	0.6352	0.3227	0.4028	0.5006	0.6348	0.5183	0.4425	1.0000
JUDGE11	11	-0.1493	0.6856	0.5643	0.3736	0.7752	0.2356	0.2709	0.2711	0.2955	0.7784
JUDGE12	12	0.3308	0.5799	0.6112	0.6564	0.3902	0.8253	0.7183	0.8895	0.6575	0.7141

		JUDGE11 11	JUDGE12 12
JUDGE11	11	1.0000	
JUDGE12	12	0.5129	1.0000

Appendix G.

Results of 8MOP Preference Pairs Program, 14 Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGES

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.87435	3.704
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.43949	4.468	-0.43048	4.476
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	-0.09804	6.158	-0.10925	7.165	-0.10927	7.411	-0.11272	7.806
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(8)	0.00000	0.000	0.00000	0.000	-0.08541	5.569	-0.10193	6.668	-0.10828	7.201
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.05424	8.143	0.04807	7.589	0.03820	6.094	0.02195	3.104	0.01503	2.100
X(13)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.44077	0.194	0.54059	0.292	0.60368	0.364	0.63865	0.408	0.66061	0.436

	STEP NUMBER 6		STEP NUMBER 7		STEP NUMBER 8		STEP NUMBER 9		STEP NUMBER 10	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.89681	3.876	1.02166	4.332	1.40098	4.727	1.24013	3.886	1.09991	3.306
X(3)	-0.60841	5.683	-0.60970	5.740	-0.69362	6.142	-0.60683	4.672	-0.62274	4.788
X(4)	0.16651	3.503	0.13804	2.832	0.22865	3.517	0.19573	2.822	0.21920	3.085
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	-0.11690	8.232	-0.10313	6.743	-0.14389	5.820	-0.21283	3.745	-0.20338	3.563
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.23721	1.458
X(8)	-0.09761	6.487	-0.10815	6.929	-0.09767	5.992	-0.09047	5.281	-0.08786	5.112
X(9)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(10)	0.00000	0.000	0.13933	2.311	0.13313	2.220	0.09796	1.499	0.07709	1.155
X(11)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(12)	0.01212	1.716	0.01254	1.790	-0.02543	1.307	-0.08058	1.778	-0.09920	2.111
X(13)	0.00000	0.000	0.00000	0.000	-0.04923	2.090	-0.10350	2.218	-0.12738	2.581
X(14)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.08577	1.347	-0.10853	1.659
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.67890	0.461	0.68658	0.471	0.69273	0.480	0.69526	0.483	0.69820	0.487

	STEP NUMBER 11		STEP NUMBER 12		STEP NUMBER 13	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	1.25455	3.652	1.20882	3.464	1.18728	3.323
X(3)	-0.60764	4.678	-0.61001	4.691	-0.59083	4.047
X(4)	0.18889	2.588	0.18162	2.466	0.18096	2.452
X(5)	0.11712	1.713	0.12931	1.841	0.13272	1.860
X(6)	-0.21370	3.737	-0.20373	3.471	-0.21130	3.286
X(7)	-0.33303	1.942	-0.37660	2.084	-0.38793	2.095
X(8)	-0.09948	5.400	-0.09545	4.981	-0.08946	3.175
X(9)	0.00000	0.000	0.00979	0.769	0.01080	0.817
X(10)	0.07213	1.084	0.05413	0.767	0.04104	0.489
X(11)	0.00000	0.000	0.00000	0.000	0.01768	0.291
X(12)	-0.11783	2.451	-0.11608	2.410	-0.12203	2.328
X(13)	-0.15058	2.952	-0.14895	2.915	-0.15617	2.745
X(14)	-0.11327	1.736	-0.11229	1.719	-0.12289	1.640
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.70221	0.493	0.70301	0.494	0.70313	0.494

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGES
1	7250	-4.67141
2	7311	-5.47075
3	7369	-4.47562
4	7405	-4.33465
5	7420	-4.68779
6	7428	-4.69031
7	7429	-4.57126
8	7437	-5.29185
9	7439	-3.87946
10	7447	-5.46422
11	7450	-4.52045
12	7458	-4.14259
13	7464	-3.73275
14	7465	-5.08576
15	7506	-4.08652
16	7513	-4.43120
17	7517	-5.10466
18	7524	-4.06739
19	7531	-5.77740
20	7532	-6.53586
21	7543	-6.03649
22	7544	-5.48984
23	7554	-5.38993
24	7557	-5.66985
25	7561	-5.44922
26	7563	-5.52798
27	7566	-4.38093
28	7607	-4.71146
29	7610	-4.28473
30	7616	-4.23787
31	7630	-6.91903
32	7642	-5.20640
33	7652	-5.91460
34	7665	-4.42088
35	7672	-4.08839
36	7677	-4.50866
37	7680	-4.34094
38	7687	-3.72685
39	7706	-3.86546
40	7709	-4.10291
41	7711	-5.82213
42	7730	-6.09059
43	7738	-3.79374
44	7741	-4.79239
45	7755	-4.66247
46	7758	-4.54907
47	7761	-3.71667
48	7768	-4.07383
49	7770	-4.93422
50	7772	-5.34201
51	7775	-5.71139
52	7778	-5.38760
53	7785	-5.83667
54	7789	-4.45868
55	7795	-3.78595
56	7800	-5.68351
57	7801	-5.43290
58	7808	-6.03300
59	7816	-6.90442
60	7819	-5.35940
61	7828	-4.70770

62	7830	-4.20450
63	7832	-5.67783
64	7833	-7.39070
65	7838	-5.52453
66	7839	-6.57230

Appendix H.

Transformed, 7 Variable Data Set.

001	7250	04	09	02	15	06	04
002	7311	08	12	00	21	00	00
003	7369	03	08	00	15	01	12
004	7405	06	04	00	21	04	00
005	7420	04	06	00	25	00	00
006	7428	04	16	00	10	07	08
007	7429	09	04	02	07	05	08
008	7437	05	04	00	18	08	00
009	7439	04	03	01	26	00	00
010	7447	04	15	01	27	00	00
011	7450	07	05	02	04	02	00
012	7458	04	04	00	17	01	00
013	7464	05	03	02	20	04	00
014	7465	09	04	00	02	15	02
015	7506	03	03	00	29	00	00
016	7513	02	09	00	19	07	00
017	7517	03	09	00	24	03	00
018	7524	02	09	02	26	00	00
019	7531	07	08	00	20	04	00
020	7532	14	27	00	00	06	12
021	7543	17	13	00	04	07	03
022	7544	01	19	00	20	07	00
023	7554	06	11	00	16	07	00
024	7557	11	04	04	11	07	01
025	7561	10	02	01	08	08	03
026	7563	11	06	07	15	00	03
027	7566	04	06	00	00	21	03
028	7607	05	04	05	14	09	02
029	7610	02	07	00	28	00	00
030	7616	06	06	00	23	00	00
031	7630	19	07	00	08	00	03
032	7642	17	02	10	14	00	01
033	7652	15	03	00	01	05	08
034	7665	03	13	00	17	07	02
035	7672	00	08	00	27	03	00
036	7677	07	02	01	15	02	04
037	7680	04	07	00	12	11	03
038	7687	03	05	00	25	00	00
039	7706	03	11	00	02	09	16
040	7709	05	00	04	15	09	00
041	7711	23	01	00	02	03	04
042	7730	17	08	12	04	06	03
043	7738	10	03	00	17	04	00
044	7741	03	09	00	15	05	06
045	7755	01	09	00	16	13	00
046	7758	04	07	01	26	00	00
047	7761	00	00	01	31	00	00
048	7768	05	10	00	26	00	00
049	7770	05	04	00	11	07	09
050	7772	09	03	00	13	08	00
051	7775	03	11	01	09	09	11
052	7778	04	07	00	06	17	03
053	7785	07	03	00	03	16	06
054	7789	07	08	00	22	00	02
055	7795	03	03	00	00	00	25
056	7800	02	08	00	00	25	04
057	7801	12	01	00	04	05	09
058	7808	13	01	00	00	11	06
059	7816	15	13	00	03	05	07

060 7819 05 17 00 20 06 01
061 7828 09 05 00 12 07 01
062 7830 01 06 00 21 06 00
063 7832 19 00 00 11 00 00
064 7833 26 00 14 02 04 00
065 7838 04 11 00 01 09 14
066 7839 09 12 00 01 20 01

Appendix I.

Results BMDP Preference Pairs Program, 7 Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE1

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.11190	2.886	-0.12201	3.577	-0.12301	3.531	-0.12721	3.362
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01833	0.490	-0.02233	0.556
X(4)	0.00000	0.000	0.00000	0.000	0.29182	2.731	0.25962	2.040	0.25198	1.904
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.00733	0.334
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	-0.16116	3.119	-0.19006	4.144	-0.21678	5.251	-0.21181	4.892	-0.22240	4.081
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55371	0.307	0.70957	0.503	0.79896	0.638	0.80178	0.643	0.80315	0.645

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.29990	2.338
X(3)	-0.00723	0.178
X(4)	0.25877	2.007
X(5)	-0.18823	1.443
X(6)	-0.18708	1.406
X(7)	-0.43267	2.726
0	MULTIPLE R	R-SQUARED
	0.82584	0.682

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE2

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.08124	1.890	-0.08619	1.889	-0.11023	1.882	-0.42973	2.869	-0.44995	2.873
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.02395	0.569
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	-0.03041	0.669	-0.36347	2.396	-0.38586	2.420
X(6)	0.00000	0.000	-0.01024	0.392	-0.04421	0.772	-0.37202	2.435	-0.39873	2.453
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.41987	2.282	-0.44672	2.312
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.37367	0.140	0.38196	0.146	0.40569	0.165	0.58675	0.344	0.59653	0.356

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.45227	2.818
X(3)	0.03469	0.683
X(4)	0.06476	0.401
X(5)	-0.38644	2.367
X(6)	-0.40123	2.409
X(7)	-0.45366	2.284
0	MULTIPLE R	R-SQUARED
	0.60157	0.362

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE3

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.08769	2.366	-0.09810	2.756	-0.12455	2.696	-0.38955	3.249
X(3)	0.00000	0.000	0.00000	0.000	-0.06241	1.832	-0.05669	1.629	-0.03815	1.184
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.04976	2.621	0.04491	2.583	0.03723	2.188	0.00869	0.242	-0.26857	2.201
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.04153	0.904	-0.31803	2.556
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.34846	2.356
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.48775	0.238	0.63112	0.398	0.69629	0.485	0.71138	0.506	0.78895	0.622

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.38991	3.159
X(3)	-0.03648	0.935
X(4)	0.01008	0.081
X(5)	-0.26866	2.140
X(6)	-0.31842	2.486
X(7)	-0.34954	2.288
0	MULTIPLE R	R-SQUARED
	0.78904	0.623

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE4

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.15805	3.085	-0.16369	3.439	-0.15462	3.398	-0.14781	3.185	-0.16179	3.220
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.04659	0.883	0.04696	0.881
X(4)	0.00000	0.000	0.31832	2.135	0.35975	2.507	0.44201	2.573	0.46312	2.636
X(5)	0.00000	0.000	0.00000	0.000	0.03904	1.806	0.04675	1.996	0.03365	1.156
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.05610	0.775
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.54953	0.302	0.65304	0.426	0.71196	0.507	0.72549	0.526	0.73595	0.542

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.55069	3.656
X(3)	0.08098	1.700
X(4)	0.47841	3.159
X(5)	-0.37379	2.440
X(6)	-0.42134	2.695
X(7)	-0.52966	2.841
0	MULTIPLE R	R-SQUARED
	0.82394	0.679

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE5

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.06795	1.211	-0.07176	1.293	-0.09225	1.670	-0.09749	1.680	-0.38032	1.923
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(4)	0.00000	0.000	0.21538	1.239	0.27969	1.616	0.27936	1.579	0.24693	1.429
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.29991	1.492
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01305	0.391	-0.31122	1.537
X(7)	0.00000	0.000	0.00000	0.000	-0.10479	1.567	-0.09905	1.417	-0.44610	1.841
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.25002	0.063	0.35543	0.126	0.47103	0.222	0.47758	0.228	0.55950	0.313

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.41598	2.038
X(3)	0.05324	0.825
X(4)	0.33624	1.638
X(5)	-0.33664	1.621
X(6)	-0.35753	1.688
X(7)	-0.49875	1.974
0	MULTIPLE R	R-SQUARED
	0.58265	0.339

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE6

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.11621	3.217	-0.13788	3.711	-0.14215	3.844	-0.14009	3.657
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.01440	0.354
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.12944	1.173	0.15494	1.156
X(5)	0.09659	4.807	0.09016	5.319	0.06869	3.291	0.06907	3.340	0.07141	3.219
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	-0.08816	1.647	-0.09941	1.844	-0.09959	1.804
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.71571	0.512	0.82051	0.673	0.84395	0.712	0.85538	0.732	0.85646	0.734

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.19652	1.440
X(3)	0.01934	0.448
X(4)	0.15715	1.145
X(5)	0.01230	0.089
X(6)	-0.06113	0.432
X(7)	-0.16829	0.996
0	MULTIPLE R	R-SQUARED
	0.85815	0.736

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGE1	JUDGE2	JUDGE3	JUDGE4	JUDGE5	JUDGE6
1	7250	-6.42379	-11.38596	-9.20645	-10.77059	-9.70201	-1.15320
2	7311	-6.43885	-11.31711	-9.19894	-11.28329	-9.75831	-1.08181
3	7369	-9.16017	-12.72100	-10.00443	-13.38830	-12.21413	-2.33102
4	7405	-6.52954	-12.29497	-9.40098	-12.51510	-10.78241	-1.08800
5	7420	-5.94882	-11.26187	-8.49508	-11.06154	-9.76038	-0.36257
6	7428	-7.96853	-11.55636	-9.85525	-11.83161	-10.67115	-2.12794
7	7429	-7.92485	-12.14268	-9.90402	-12.63597	-10.99254	-2.94291
8	7437	-6.41326	-12.28831	-9.47878	-12.52840	-10.78664	-1.17290

9	7439	-5.85660	-11.68760	-8.64422	-11.19986	-9.92051	-0.25113
10	7447	-6.13159	-11.65780	-9.35065	-10.60188	-9.61823	-0.00678
11	7450	-2.74498	-5.21118	-4.60309	-4.83094	-4.03480	-1.03769
12	7458	-4.61557	-8.64099	-6.59124	-8.65455	-7.53131	-0.56077
13	7464	-5.51664	-11.36143	-8.68577	-10.71477	-9.41056	-0.60881
14	7465	-6.77600	-11.63038	-9.66786	-12.75928	-10.56461	-2.92025
15	7506	-6.38018	-12.45939	-9.07038	-12.24894	-10.85068	-0.17488
16	7513	-5.55088	-10.74326	-8.44170	-10.42386	-9.25158	-0.41323
17	7517	-6.04362	-11.52279	-8.90123	-11.15814	-9.92062	-0.30373
18	7524	-3.04142	-10.51018	-8.07321	-9.13417	-8.43284	0.41508
19	7531	-6.67012	-12.22206	-9.66815	-12.36808	-10.64879	-1.21946
20	7532	-10.70827	-13.24660	-12.54873	-14.40720	-12.51643	-4.61542
21	7543	-8.55273	-12.95308	-11.45492	-14.34254	-11.72508	-3.97300
22	7544	-5.51152	-10.33056	-8.68527	-9.43715	-8.63979	-0.01103
23	7554	-6.20022	-11.32368	-9.26831	-11.34332	-9.79912	-1.19752
24	7557	-6.10551	-12.09031	-9.92839	-11.41072	-9.72236	-1.91664
25	7561	-7.05518	-12.05092	-9.70727	-12.81653	-10.76671	-2.66488
26	7563	-5.65237	-11.47111	-9.51587	-9.41862	-8.44850	-1.26598
27	7566	-6.46967	-11.38780	-9.51405	-12.15397	-10.34887	-2.45866
28	7607	-5.41890	-11.72733	-9.37124	-10.12184	-9.11394	-0.83404
29	7610	-5.92097	-11.48194	-8.55773	-11.00054	-9.88508	0.08670
30	7616	-6.17215	-11.39355	-8.73757	-11.41536	-9.91908	-0.78020
31	7630	-8.55251	-12.80287	-10.86153	-14.47558	-11.72034	-4.00495
32	7642	-5.59294	-12.83547	-10.71141	-10.17835	-8.81451	-1.72669
33	7652	-9.10512	-12.70192	-10.61517	-14.73523	-12.19435	-4.52945
34	7665	-6.36857	-11.19124	-9.13929	-10.96239	-9.77882	-0.89358
35	7672	-5.70141	-11.35996	-8.50101	-10.70840	-9.73582	0.30338
36	7677	-6.78332	-11.44542	-8.85719	-11.78259	-10.22878	-1.79075
37	7680	-6.86490	-11.97803	-9.59024	-12.34504	-10.75996	-1.68044
38	7687	-5.64170	-10.84428	-8.06869	-10.59183	-9.39764	-0.18539
39	7706	-9.96214	-12.61776	-10.56682	-13.77549	-12.53339	-3.59511
40	7709	-4.97164	-11.40995	-8.80498	-10.23864	-9.00228	-0.71966
41	7711	-9.57322	-14.15882	-11.89511	-16.71519	-13.25527	-5.33253
42	7730	-5.22426	-11.94819	-10.83314	-8.58513	-7.59890	-2.12271
43	7738	-6.96896	-12.59301	-9.84948	-13.30371	-11.15305	-1.94260
44	7741	-7.31970	-11.56928	-9.21736	-11.81471	-10.59848	-1.54644
45	7755	-5.80876	-11.53907	-9.15636	-11.27984	-9.97087	-0.62039
46	7758	-5.88552	-11.54886	-8.79014	-10.87593	-9.70754	-0.17378
47	7761	-5.57650	-11.91474	-8.31846	-11.10896	-10.09949	0.53841
48	7768	-6.46587	-11.96183	-9.29957	-11.66210	-10.30003	-0.46944
49	7770	-8.80258	-13.26496	-10.42559	-14.25751	-12.56145	-2.71251
50	7772	-6.66444	-12.19992	-9.65862	-12.94322	-10.82064	-2.03980
51	7775	-8.85765	-12.98976	-10.68967	-13.26527	-12.05983	-2.51040
52	7778	-6.85798	-12.06681	-9.88881	-12.63035	-10.88532	-2.12101
53	7785	-8.27498	-13.36281	-10.83682	-14.65265	-12.47507	-3.26856
54	7789	-7.16361	-12.29733	-9.63086	-12.48963	-10.88945	-1.28693
55	7795	-11.73814	-12.59423	-10.01770	-14.65068	-13.55708	-4.73888
56	7800	-7.06533	-12.47247	-10.43044	-13.10563	-11.33929	-2.43977
57	7801	-9.18835	-13.02743	-10.52801	-14.89613	-12.56155	-4.10997
58	7808	-8.55978	-12.98037	-10.70519	-14.89072	-12.27991	-4.21759
59	7816	-9.12122	-12.67426	-11.16776	-14.14333	-11.83643	-4.14318
60	7819	-6.94223	-12.26146	-10.20305	-11.91021	-10.55144	-0.94294
61	7828	-6.73626	-11.79654	-9.49403	-12.51580	-10.51874	-2.12059
62	7830	-5.41868	-10.76669	-8.16125	-10.44235	-9.31107	-0.18900
63	7832	-7.76860	-12.84401	-10.36353	-14.57482	-11.60670	-3.59854
64	7833	-5.29930	-13.23033	-11.80750	-10.05315	-8.21163	-3.12922
65	7838	-9.20846	-11.77628	-9.98898	-12.89308	-11.61522	-3.46734
66	7839	-7.14834	-12.51895	-10.93363	-13.31468	-11.09092	-2.91520

CORRELATIONS BETWEEN SCORES

		JUDGE1 1	JUDGE2 2	JUDGE3 3	JUDGE4 4	JUDGE5 5	JUDGE6 6
JUDGE1	1	1.0000					
JUDGE2	2	0.6859	1.0000				
JUDGE3	3	0.7166	0.9003	1.0000			
JUDGE4	4	0.8786	0.8201	0.7494	1.0000		
JUDGE5	5	0.9157	0.8157	0.7108	0.9716	1.0000	
JUDGE6	6	0.8074	0.5587	0.7471	0.7470	0.6646	1.0000

Appendix 1.

Results 8MOP Preference Pairs Program, 7 Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE7

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.29071	1.683
X(3)	0.00000	0.000	-0.03044	0.692	-0.03669	0.796	-0.03523	0.744	-0.01749	0.377
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.09659	4.563	0.09312	4.233	0.11017	2.933	0.09902	1.943	-0.18530	1.054
X(6)	0.00000	0.000	0.00000	0.000	0.02660	0.565	0.01851	0.343	-0.27042	1.509
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.02572	0.333	-0.36220	1.700
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.69728	0.486	0.70544	0.498	0.71102	0.506	0.71303	0.508	0.75847	0.575

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.29299	1.654
X(3)	-0.00696	0.124
X(4)	0.06347	0.356
X(5)	-0.18586	1.031
X(6)	-0.27287	1.484
X(7)	-0.36900	1.683
0	MULTIPLE R	R-SQUARED
	0.76055	0.578

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE8

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.13294	2.533	-0.14915	3.206	-0.16891	3.856	-0.17184	3.929	-0.17591	3.699
X(3)	0.00000	0.000	-0.11927	2.732	-0.11168	2.767	-0.08572	1.825	-0.08960	1.775
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.17094	1.070	0.16354	0.983
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.00710	0.258
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	-0.11265	2.178	-0.13117	2.413	-0.14144	2.065
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.47513	0.226	0.65483	0.429	0.73371	0.538	0.75138	0.565	0.75245	0.566

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.31569	1.895
X(3)	-0.07737	1.469
X(4)	0.16903	1.009
X(5)	-0.15354	0.906
X(6)	-0.15143	0.876
X(7)	-0.31165	1.511
0	MULTIPLE R	R-SQUARED
	0.76479	0.585

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE9

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.10340	2.081	-0.12620	2.693	-0.13315	2.893	-0.13683	2.842	-0.28279	1.615
X(3)	0.00000	0.000	0.00000	0.000	-0.06021	1.420	-0.05548	1.225	-0.04540	0.965
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.15460	0.868
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01050	0.361	-0.16606	0.914
X(7)	0.00000	0.000	-0.12350	2.228	-0.11684	2.150	-0.11277	1.989	-0.29350	1.359
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.40558	0.164	0.56945	0.324	0.62141	0.386	0.62477	0.390	0.64406	0.415

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.28292	1.570
X(3)	-0.04479	0.786
X(4)	0.00371	0.020
X(5)	-0.15463	0.843
X(6)	-0.16620	0.889
X(7)	-0.29390	1.318
0	MULTIPLE R	R-SQUARED
	0.64407	0.415

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE10

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.09970	1.824	-0.11179	2.064	-0.11527	2.134	-0.13143	2.246
X(3)	0.00000	0.000	0.00000	0.000	-0.07246	1.398	-0.10850	1.766	-0.10807	1.740
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.21635	1.082	-0.19193	0.938
X(5)	0.07317	2.732	0.06766	2.638	0.05874	2.269	0.04910	1.800	0.03394	1.002
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.06489	0.770
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.50327	0.253	0.59614	0.355	0.64248	0.413	0.66848	0.447	0.68154	0.464

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.39620	1.995
X(3)	-0.08491	1.353
X(4)	-0.18152	0.909
X(5)	-0.24343	1.205
X(6)	-0.28684	1.392
X(7)	-0.38728	1.576
0	MULTIPLE R	R-SQUARED
	0.72062	0.519

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE11

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.01564	0.277	-0.18549	1.146
X(3)	0.00000	0.000	-0.05713	1.430	-0.06536	1.575	-0.06543	1.540	-0.05355	1.230
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000

X(5)	0.08098	4.066	0.07447	3.726	0.09690	2.865	0.08946	2.041	-0.08826	0.536
X(6)	0.00000	0.000	0.00000	0.000	0.03500	0.826	0.02515	0.448	-0.15208	0.905
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.22335	1.118
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.65498	0.429	0.69256	0.480	0.70483	0.497	0.70627	0.499	0.72895	0.531

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.18563	1.114
X(3)	-0.05289	1.004
X(4)	0.00393	0.023
X(5)	-0.08829	0.521
X(6)	-0.15223	0.880
X(7)	-0.22377	1.085
0	MULTIPLE R	R-SQUARED
	0.72896	0.531

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE12

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.11342	2.871	-0.12831	3.634	-0.15050	4.151	-0.15053	4.198
X(3)	0.00000	0.000	0.00000	0.000	-0.08924	2.641	-0.09411	2.900	-0.06971	1.832
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.14973	1.194
X(5)	0.06634	3.126	0.06007	3.241	0.04909	2.909	0.02731	1.320	0.03158	1.521
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.08700	1.686	-0.09656	1.869
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55460	0.308	0.70907	0.503	0.79460	0.631	0.82423	0.679	0.83838	0.703

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.28905	2.340
X(3)	-0.05760	1.474
X(4)	0.15517	1.249
X(5)	-0.11353	0.903
X(6)	-0.15007	1.170
X(7)	-0.26523	1.735
0	MULTIPLE R	R-SQUARED
	0.85150	0.725

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGE7	JUDGE8	JUDGE9	JUDGE10	JUDGE11	JUDGE12
1	7250	-7.00879	-6.07926	-6.01965	-9.63371	-4.34353	-5.02858
2	7311	-6.33047	-6.67823	-6.04809	-9.30060	-3.97392	-5.38778
3	7369	-8.42345	-7.76026	-7.21955	-10.45363	-5.14187	-6.36378
4	7405	-6.78028	-6.03364	-5.78877	-8.97630	-3.78842	-4.94919
5	7420	-5.86017	-5.56540	-5.26621	-8.18010	-3.26720	-4.34013
6	7428	-8.00407	-7.58923	-6.90922	-10.48384	-5.32749	-6.38542
7	7429	-8.15519	-7.13772	-6.98267	-10.50496	-5.04372	-6.18844
8	7437	-7.02121	-5.86307	-5.70677	-8.99716	-3.94683	-4.91981
9	7439	-5.96167	-5.31781	-5.28278	-8.35033	-3.19288	-4.12570

10	7447	-6.23108	-6.39977	-5.97484	-9.61267	-3.91590	-4.93039
11	7450	-3.24796	-3.17563	-3.14790	-5.10838	-2.21365	-2.75527
12	7458	-4.63226	-4.33380	-4.10579	-6.34965	-2.60730	-3.46674
13	7464	-6.16753	-5.14898	-5.29901	-8.61480	-3.45374	-4.17866
14	7465	-7.86754	-6.35256	-6.11557	-9.46945	-4.78980	-5.84043
15	7506	-6.28973	-5.63176	-5.46746	-8.50292	-3.27606	-4.33243
16	7513	-6.09004	-5.30494	-5.07036	-8.18971	-3.59046	-4.30410
17	7517	-6.22083	-5.78259	-5.46163	-8.65572	-3.60865	-4.56054
18	7524	-5.35400	-4.98161	-4.98194	-8.24891	-3.13505	-3.73800
19	7531	-6.91526	-6.50526	-6.09621	-9.46870	-4.09734	-5.35509
20	7532	-10.35509	-11.15696	-9.69416	-14.20775	-7.62556	-9.68502
21	7543	-8.83185	-8.98165	-8.05556	-11.98262	-5.93343	-7.96295
22	7544	-6.05254	-5.91648	-5.38993	-8.88604	-4.02206	-4.70454
23	7554	-6.71834	-6.26183	-5.82773	-9.21401	-4.17390	-5.23490
24	7557	-7.32037	-6.16653	-6.43473	-10.49682	-4.49837	-5.35386
25	7561	-7.65718	-6.51731	-6.36348	-9.71735	-4.55364	-5.75506
26	7563	-6.71522	-5.99158	-6.55607	-10.95163	-4.32747	-4.93764
27	7566	-8.05105	-5.84202	-5.77239	-9.27975	-4.92798	-5.44895
28	7607	-6.97130	-5.17849	-5.82369	-9.99244	-4.17375	-4.37035
29	7610	-5.83873	-5.47201	-5.20905	-8.20292	-3.21371	-4.16022
30	7616	-6.07443	-5.88971	-5.52279	-8.48562	-3.46188	-4.69117
31	7630	-8.20937	-8.70293	-7.80779	-11.23141	-5.27490	-7.59913
32	7642	-7.33101	-6.29233	-7.32090	-12.51573	-4.68206	-5.33206
33	7652	-8.91795	-8.37133	-7.71505	-10.97358	-5.58273	-7.49430
34	7665	-6.77717	-6.24632	-5.81096	-9.21325	-4.25862	-5.12693
35	7672	-5.89248	-5.21876	-5.03197	-8.11253	-3.26373	-3.97639
36	7677	-6.81099	-6.04805	-5.89381	-8.89905	-3.92519	-5.04745
37	7680	-7.55959	-6.24750	-6.01072	-9.41746	-4.51811	-5.36825
38	7687	-5.56022	-5.17235	-4.93851	-7.69900	-3.02868	-3.99348
39	7706	-9.68718	-8.45444	-7.84892	-11.38758	-6.26565	-7.32211
40	7709	-6.45477	-4.56829	-5.21509	-8.94015	-3.60687	-3.87821
41	7711	-9.41202	-9.34620	-8.53548	-12.09394	-5.85076	-8.44400
42	7730	-7.76251	-6.41500	-7.62090	-13.44949	-5.46954	-5.66283
43	7738	-7.20183	-6.60488	-6.25715	-9.50243	-4.12488	-5.59366
44	7741	-7.30788	-6.57349	-6.16575	-9.36220	-4.46107	-5.43027
45	7755	-6.87671	-5.43725	-5.32077	-8.78426	-4.05332	-4.57487
46	7758	-5.98952	-5.62728	-5.46192	-8.68997	-3.40446	-4.35609
47	7761	-5.69812	-4.59063	-4.78989	-7.72799	-2.73314	-3.36438
48	7768	-6.36687	-6.34411	-5.88291	-9.15937	-3.75270	-4.97310
49	7770	-8.76836	-7.44168	-7.10324	-10.49184	-5.19046	-6.36209
50	7772	-7.25690	-6.28077	-6.02051	-9.27986	-4.19499	-5.45076
51	7775	-9.07969	-7.80194	-7.45813	-11.33671	-5.76092	-6.63552
52	7778	-8.08167	-6.23488	-6.08015	-9.67790	-4.90172	-5.58747
53	7785	-9.20935	-7.19536	-7.00138	-10.67156	-5.50124	-6.52926
54	7789	-6.93349	-6.82989	-6.32846	-9.58277	-4.11254	-5.51234
55	7795	-10.12494	-8.97032	-8.33063	-11.12543	-6.30976	-7.67072
56	7800	-8.93949	-6.28276	-6.25483	-10.19182	-5.49519	-5.85155
57	7801	-8.95164	-8.04178	-7.53451	-10.73276	-5.40869	-7.11779
58	7808	-9.03141	-7.71699	-7.31442	-10.71441	-5.48322	-7.05743
59	7816	-8.99029	-9.14044	-8.17827	-11.92225	-6.06448	-8.03210
60	7819	-7.30670	-7.18471	-6.55974	-10.40145	-4.73034	-5.86072
61	7828	-7.18110	-6.44218	-6.08315	-9.30669	-4.28403	-5.56758
62	7830	-5.87501	-4.91279	-4.79614	-7.73882	-3.27051	-3.91926
63	7832	-7.61120	-7.68702	-7.07648	-10.20550	-4.49822	-6.74086
64	7833	-8.19228	-6.75432	-8.27812	-14.47662	-5.55686	-6.17029
65	7838	-9.05630	-7.99329	-7.38941	-10.76577	-5.91545	-6.96716
66	7839	-8.73274	-7.26349	-6.85635	-10.95221	-5.66203	-6.67279

CORRELATIONS BETWEEN SCORES

		JUOGE7 1	JUOGE8 2	JUOGE9 3	JUOGE10 4	JUDGE11 5	JUOGE12 6
JUOGE7	1	1.0000					
JUOGE8	2	0.8819	1.0000				
JUOGE9	3	0.9110	0.9404	1.0000			
JUOGE10	4	0.8225	0.7944	0.9431	1.0000		
JUOGE11	5	0.9655	0.9032	0.9389	0.8818	1.0000	
JUOGE12	6	0.9245	0.9820	0.9482	0.8182	0.9436	1.0000

Appendix I.

Results of BMDP Preference Pairs Program, 7 Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGES

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.08593	6.272	-0.09399	6.954	-0.11356	8.006	-0.32314	6.812
X(3)	0.00000	0.000	0.00000	0.000	-0.05019	3.906	-0.05435	4.314	-0.03733	2.939
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.05479	8.079	0.04999	7.811	0.04371	6.784	0.02470	3.063	-0.19550	4.043
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.22754	4.614
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.07590	3.769	-0.33081	5.649
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.43796	0.192	0.54155	0.293	0.57505	0.331	0.60324	0.364	0.64050	0.410

	STEP NUMBER 6	
	COEFF	T-VAL
X(2)	-0.32800	7.000
X(3)	-0.01522	1.032
X(4)	0.13413	2.850
X(5)	-0.19654	4.118
X(6)	-0.23257	4.775
X(7)	-0.34511	5.948
0	MULTIPLE R	R-SQUARED
	0.65380	0.427

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGES
1	7250	-6.90476
2	7311	-6.93411
3	7369	-8.42788
4	7405	-7.08659
5	7420	-6.31694
6	7428	-7.90988
7	7429	-8.04420
8	7437	-7.09923
9	7439	-6.33368
10	7447	-6.71289
11	7450	-3.35518
12	7458	-4.94671
13	7464	-6.27856
14	7465	-7.58474
15	7506	-6.72944
16	7513	-6.15530
17	7517	-6.53576
18	7524	-5.63487
19	7531	-7.27894
20	7532	-10.53981
21	7543	-9.22343
22	7544	-6.17606
23	7554	-6.90813
24	7557	-7.26745
25	7561	-7.64457
26	7563	-6.74393
27	7566	-7.32259
28	7607	-6.56518
29	7610	-6.26578
30	7616	-6.57986
31	7630	-8.94631

32	7642	-7.36189
33	7652	-9.08601
34	7665	-6.84133
35	7672	-6.12616
36	7677	-6.98608
37	7680	-7.37067
38	7687	-5.97371
39	7706	-9.15947
40	7709	-6.14474
41	7711	-10.03055
42	7730	-7.30515
43	7738	-7.59721
44	7741	-7.30268
45	7755	-6.63307
46	7758	-6.39457
47	7761	-5.95872
48	7768	-6.90237
49	7770	-8.59688
50	7772	-7.41330
51	7775	-8.67557
52	7778	-7.58681
53	7785	-8.72308
54	7789	-7.43199
55	7795	-9.65753
56	7800	-7.97241
57	7801	-9.00630
58	7808	-8.90819
59	7816	-9.28620
60	7819	-7.57018
61	7828	-7.35975
62	7830	-5.94215
63	7832	-8.39405
64	7833	-7.97358
65	7838	-8.60070
66	7839	-8.32769

Appendix J.

Results 8MPQ Preference Pairs Program, 7 Variables

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE1

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.11190	2.886	-0.12201	3.577
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.29182	2.731
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	-0.16116	3.119	-0.19006	4.144	-0.21678	5.251
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55371	0.307	0.70957	0.503	0.79896	0.638

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE2

	STEP NUMBER 1	
	COEFF	T-VAL
X(2)	-0.08124	1.890
X(3)	0.00000	0.000
X(4)	0.00000	0.000
X(5)	0.00000	0.000
X(6)	0.00000	0.000
X(7)	0.00000	0.000
0	MULTIPLE R	R-SQUARED
	0.37367	0.140

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE3

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.08769	2.366	-0.09810	2.756
X(3)	0.00000	0.000	0.00000	0.000	-0.06241	1.832
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.04976	2.621	0.04491	2.583	0.03723	2.188
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.48775	0.238	0.63112	0.398	0.69629	0.485

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE4

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.15805	3.085	-0.16369	3.439	-0.15462	3.398
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.31832	2.135	0.35975	2.507
X(5)	0.00000	0.000	0.00000	0.000	0.03904	1.806
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED

	0.54953	0.302	0.65304	0.426	0.71196	0.507

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE5

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.06795	1.211	-0.07176	1.293	-0.09225	1.670
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.21538	1.239	0.27969	1.616
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	-0.10479	1.567
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.25002	0.063	0.35543	0.126	0.47103	0.222

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE6

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.11621	3.217	-0.13788	3.711	-0.14215	3.844
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.12944	1.173
X(5)	0.09659	4.807	0.09016	5.319	0.06869	3.291	0.06907	3.340
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	-0.08816	1.647	-0.09941	1.844
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.71571	0.512	0.82051	0.673	0.84395	0.712	0.85538	0.732

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGE1	JUDGE2	JUDGE3	JUDGE4	JUDGE5	JUDGE6
1	7250	-0.77154	-0.32496	-0.39567	0.68664	-0.22880	0.32866
2	7311	-0.97607	-0.64993	-0.75193	-0.41710	-0.73802	0.31322
3	7369	-2.96744	-0.24372	-0.23516	0.12177	-1.53426	-0.58336
4	7405	-0.73205	-0.48744	-0.05643	-0.10785	-0.55352	0.59753
5	7420	-0.48803	-0.32496	0.16385	0.35757	-0.36901	1.15811
6	7428	-2.22231	-0.32496	-1.01870	-0.22807	-1.20735	-0.67321
7	7429	-2.24872	-0.73117	-0.87194	-0.39881	-1.10923	-1.33230
8	7437	-0.61004	-0.40620	-0.07002	-0.07035	-0.46126	0.53248
9	7439	-0.19622	-0.32496	0.38832	0.75636	-0.08932	1.35662
10	7447	-0.19622	-0.32496	-0.32340	0.79540	-0.08932	1.42569
11	7450	-0.27042	-0.56868	-0.84984	-0.20669	-0.08639	-0.45991
12	7458	-0.48803	-0.32496	-0.00915	0.04523	-0.36901	0.60556
13	7464	-0.02641	-0.40620	0.06685	0.72723	0.09812	0.92950
14	7465	-1.53165	-0.73117	-1.05808	-1.31352	-1.03986	-1.34006
15	7506	-0.36603	-0.24372	0.59811	0.66836	-0.27676	1.57654
16	7513	-0.24402	-0.16248	-0.05056	0.43256	-0.18451	1.02800
17	7517	-0.36603	-0.24372	0.03749	0.47315	-0.27676	1.23120
18	7524	0.33962	-0.16248	0.21004	1.42535	0.37488	1.77037
19	7531	-0.85406	-0.56868	-0.44141	-0.30151	-0.64577	0.38631
20	7532	-4.30954	-1.13737	-3.05851	-2.16472	-2.54904	-3.18308
21	7543	-2.72450	-1.38109	-2.33012	-2.47242	-1.88267	-2.43856
22	7544	-0.12201	-0.08124	-0.53935	0.62622	-0.09225	1.23923
23	7554	-0.73205	-0.48744	-0.67946	-0.30306	-0.55352	0.25218

24	7557	-0.39161	-0.89365	-0.91922	0.16761	-0.00081	-0.38557
25	7561	-1.57862	-0.81241	-0.80798	-0.87414	-0.95721	-1.03777
26	7563	0.05028	-0.89365	-0.89513	1.40302	0.62868	0.08021
27	7566	-1.13839	-0.32496	-0.76687	-0.61849	-0.68339	-0.86685
28	7607	0.41548	-0.40620	-0.21894	1.57222	0.72761	0.70459
29	7610	-0.24402	-0.16248	0.40933	0.78394	-0.18451	1.64963
30	7616	-0.73205	-0.48744	-0.10680	-0.02977	-0.55352	0.73567
31	7630	-2.96852	-1.54357	-2.00293	-2.62550	-2.06718	-2.44660
32	7642	0.62725	-1.38109	-1.27130	1.51549	1.12382	-0.25463
33	7652	-3.56441	-1.21861	-1.62149	-2.28030	-2.22213	-2.85852
34	7665	-0.79360	-0.24372	-0.47276	0.19985	-0.48634	0.54889
35	7672	0.00000	0.00000	0.50588	1.05414	0.00000	1.86487
36	7677	-1.42938	-0.56868	-0.25308	-0.13698	-0.78525	-0.22724
37	7680	-1.13839	-0.32496	-0.38253	-0.14998	-0.68339	-0.03802
38	7687	-0.36603	-0.24372	0.32437	0.51219	-0.27676	1.30027
39	7706	-3.83458	-0.24372	-0.90637	-0.38578	-1.95343	-1.87890
40	7709	0.55723	-0.40620	0.06794	1.25151	0.65750	0.84304
41	7711	-3.67334	-1.86854	-2.24423	-3.47824	-2.54098	-3.52903
42	7730	0.77732	-1.38109	-2.01806	1.84457	1.47362	-0.88525
43	7738	-1.22009	-0.81241	-0.53533	-0.88251	-0.92253	-0.24736
44	7741	-1.66673	-0.24372	-0.29757	0.12177	-0.90551	0.01311
45	7755	-0.12201	-0.08124	-0.06415	0.47005	-0.09225	0.96295
46	7758	-0.19622	-0.32496	0.13867	0.75636	-0.08932	1.35662
47	7761	0.29182	0.00000	1.15410	1.57006	0.27969	2.27058
48	7768	-0.61004	-0.40620	-0.14666	0.24198	-0.46126	1.08503
49	7770	-2.56110	-0.40620	-0.33063	-0.34365	-1.40439	-0.84571
50	7772	-1.09808	-0.73117	-0.58615	-0.88406	-0.83028	-0.38148
51	7775	-2.45884	-0.24372	-0.64577	0.24726	-1.14978	-0.76892
52	7778	-1.13839	-0.32496	-0.60591	-0.38424	-0.68339	-0.45243
53	7785	-2.15477	-0.56868	-0.76224	-0.96523	-1.27452	-1.38433
54	7789	-1.28763	-0.56868	-0.36695	-0.22343	-0.85535	0.32562
55	7795	-5.78564	-0.24372	-0.48153	-0.46387	-2.89656	-2.91174
56	7800	-1.11116	-0.16248	-0.69550	-0.30925	-0.60367	-0.68195
57	7801	-3.41517	-0.97489	-1.09068	-1.69931	-2.05016	-2.32426
58	7808	-2.88682	-1.05613	-1.33770	-2.01010	-1.82804	-2.44446
59	7816	-3.34762	-1.21861	-2.17115	-2.20222	-2.11734	-2.62097
60	7819	-0.82683	-0.40620	-0.80692	0.00773	-0.56606	0.57120
61	7828	-1.31486	-0.73117	-0.74820	-0.92310	-0.93507	-0.54996
62	7830	-0.12201	-0.08124	0.30924	0.66526	-0.09225	1.30830
63	7832	-2.31816	-1.54357	-1.45436	-2.50837	-1.75280	-1.94115
64	7833	0.91323	-2.11226	-2.47611	1.09437	1.51711	-1.74565
65	7838	-3.52302	-0.32496	-1.04170	-0.57945	-1.83610	-1.89130
66	7839	-1.31486	-0.73117	-1.59461	-1.35256	-0.93507	-1.30972

CORRELATIONS BETWEEN SCORES

		JUDGE1 1	JUDGE2 2	JUDGE3 3	JUDGE4 4	JUDGE5 5	JUDGE6 6
JUDGE1	1	1.0000					
JUDGE2	2	0.2468	1.0000				
JUDGE3	3	0.4893	0.8315	1.0000			
JUDGE4	4	0.7661	0.5298	0.6371	1.0000		
JUDGE5	5	0.9593	0.1931	0.4089	0.8585	1.0000	
JUDGE6	6	0.8048	0.6903	0.8547	0.7882	0.7144	1.0000

Appendix J.

Results BMDP Preference Pairs Program, 7 Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE7

	STEP NUMBER 1	
	COEFF	T-VAL
X(2)	0.00000	0.000
X(3)	0.00000	0.000
X(4)	0.00000	0.000
X(5)	0.09659	4.563
X(6)	0.00000	0.000
X(7)	0.00000	0.000
0	MULTIPLE R	R-SQUARED
	0.6972B	0.486

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGEB

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.13294	2.533	-0.14915	3.206	-0.16B91	3.856	-0.171B4	3.929
X(3)	0.00000	0.000	-0.11927	2.732	-0.1116B	2.767	-0.0B572	1.825
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.17094	1.070
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	-0.11265	2.17B	-0.13117	2.413
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.47513	0.226	0.65483	0.429	0.73371	0.53B	0.7513B	0.565

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE9

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.10340	2.081	-0.12620	2.693	-0.13315	2.893
X(3)	0.00000	0.000	0.00000	0.000	-0.06021	1.420
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	-0.12350	2.228	-0.11684	2.150
0	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUAREO
	0.4055B	0.164	0.56945	0.324	0.62141	0.3B6

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE10

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.09970	1.824	-0.11179	2.069	-0.11527	2.134
X(3)	0.00000	0.000	0.00000	0.000	-0.07246	1.398	-0.10B50	1.766
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.21635	1.0B2
X(5)	0.07317	2.732	0.06766	2.63B	0.05874	2.269	0.04910	1.B00
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUAREO	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUAREO

0.50327	0.253	0.59614	0.355	0.64248	0.413	0.66848	0.447

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE11

	STEP NUMBER 1		STEP NUMBER 2	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	0.00000	0.000
X(3)	0.00000	0.000	-0.05713	1.430
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.08098	4.066	0.07447	3.726
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.65498	0.429	0.69256	0.480

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE12

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3		STEP NUMBER 4		STEP NUMBER 5	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.11342	2.871	-0.12831	3.634	-0.15050	4.151	-0.15053	4.198
X(3)	0.00000	0.000	0.00000	0.000	-0.08924	2.641	-0.09411	2.900	-0.06971	1.832
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.14973	1.194
X(5)	0.06634	3.126	0.06007	3.241	0.04909	2.909	0.02731	1.320	0.03158	1.521
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000	-0.08700	1.686	-0.09656	1.869
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55460	0.308	0.70907	0.503	0.79460	0.631	0.82423	0.679	0.83838	0.703

	STEP NUMBER 6		STEP NUMBER 7	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.28905	2.340	-0.18184	5.320
X(3)	-0.05760	1.474	-0.06516	1.717
X(4)	0.15517	1.249	0.15419	1.248
X(5)	-0.11353	0.903	0.00000	0.000
X(6)	-0.15007	1.170	-0.03580	1.716
X(7)	-0.26523	1.735	-0.13241	3.168
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.85150	0.725	0.84371	0.712

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGE7	JUDGE8	JUDGE9	JUDGE10	JUDGE11	JUDGE12
1	7250	1.44878	-1.64161	-1.54189	-1.13373	0.60290	-1.74988
2	7311	2.02829	-2.40328	-1.78780	-1.19300	0.87834	-2.23665
3	7369	1.44878	-2.77533	-2.28323	-0.47727	0.66003	-2.69152
4	7405	2.02829	-1.37389	-1.03977	-0.09448	1.33540	-1.49488
5	7420	2.41463	-1.20164	-0.89390	0.11547	1.51902	-1.11832
6	7428	0.96585	-3.10819	-2.43075	-1.70602	-0.16939	-3.07984
7	7429	0.67610	-2.59692	-2.37393	-1.56041	0.29278	-2.82708
8	7437	1.73854	-1.20205	-0.90662	-0.12651	1.11198	-1.45625
9	7439	2.51122	-0.77356	-0.71326	0.27372	1.76489	-0.76864
10	7447	2.60780	-1.80214	-1.43583	-0.97915	1.15378	-1.55060

11	7450	0.38634	-1.28956	-1.23314	-1.58567	0.01223	-1.36189
12	7458	1.64195	-1.03021	-0.77347	-0.06035	1.03751	-1.02380
13	7464	1.93171	-0.77446	-0.84641	-0.35252	1.31806	-0.93950
14	7465	0.19317	-2.15174	-1.67291	-1.37322	-0.07958	-2.69903
15	7506	2.80097	-0.77266	-0.58010	0.75264	1.98831	-0.74100
16	7513	1.83512	-1.11511	-0.80824	-0.27409	0.90079	-1.20075
17	7517	2.31805	-1.28695	-0.94139	-0.14385	1.27316	-1.23938
18	7524	2.51122	-0.77324	-0.80824	-0.36308	1.42210	-0.64176
19	7531	1.93171	-1.88858	-1.41379	-0.69284	1.03240	-1.93737
20	7532	0.00000	-6.29413	-4.89199	-4.54321	-1.54256	-6.10883
21	7543	0.38634	-4.42906	-3.39690	-3.17366	-0.44483	-4.58618
22	7544	1.93171	-1.80043	-1.27723	-1.19468	0.40395	-1.67054
23	7554	1.54537	-1.97389	-1.46128	-1.09947	0.56311	-2.05843
24	7557	1.06244	-1.68050	-1.82238	-2.02725	0.59067	-2.02712
25	7561	0.77268	-2.11239	-1.80247	-1.19324	0.48152	-2.47815
26	7563	1.44878	-1.60147	-2.17648	-2.69689	0.77430	-1.70907
27	7566	0.00000	-1.59517	-1.24441	-1.11207	-0.34279	-2.26740
28	7607	1.35219	-0.60972	-1.14030	-1.40467	0.81409	-0.98592
29	7610	2.70439	-0.94368	-0.68781	0.38482	1.68531	-0.81981
30	7616	2.22146	-1.54532	-1.16020	-0.21327	1.37008	-1.48200
31	7630	0.77268	-4.25844	-3.30192	-2.55681	0.19586	-4.30827
32	7642	1.35219	-1.51447	-2.50086	-3.65268	0.92835	-1.81205
33	7652	0.09659	-3.88410	-3.11264	-2.00545	-0.09692	-4.16133
34	7665	1.64195	-1.89216	-1.41592	-0.92155	0.52332	-1.90806
35	7672	2.60780	-0.68572	-0.48172	0.45776	1.55371	-0.62871
36	7677	1.44878	-1.72805	-1.51985	-0.50372	1.00283	-1.85023
37	7680	1.15902	-1.68088	-1.30463	-0.63134	0.49375	-1.97454
38	7687	2.41463	-0.94409	-0.70053	0.33924	1.57616	-0.87132
39	7706	0.19317	-3.55717	-2.93122	-1.44108	-0.47951	-3.70307
40	7709	1.44878	-0.17544	-0.66576	-0.70523	1.11709	-0.61464
41	7711	0.19317	-4.56267	-3.59008	-2.66152	0.09181	-4.08446
42	7730	0.38634	-1.94925	-3.09583	-5.22738	-0.15917	-2.37428
43	7738	1.64195	-1.97552	-1.51217	-0.64347	1.09464	-2.15707
44	7741	1.44878	-2.07400	-1.64242	-0.58576	0.60290	-2.30544
45	7755	1.54537	-0.94328	-0.67508	-0.30612	0.67738	-1.23373
46	7758	2.51122	-1.11642	-0.95411	-0.16027	1.53637	-1.02929
47	7761	2.99414	0.17094	0.00000	1.30580	2.30865	0.15419
48	7768	2.51122	-1.71634	-1.26791	-0.38469	1.36497	-1.56081
49	7770	1.06244	-2.38262	-1.95816	-0.47022	0.59067	-2.61213
50	7772	1.25561	-1.80368	-1.37902	-0.72461	0.79675	-2.11844
51	7775	0.86927	-2.73036	-2.34703	-1.31372	0.04180	-2.88683
52	7778	0.57951	-1.68088	-1.30463	-0.92595	0.04691	-2.18935
53	7785	0.28976	-2.24705	-1.81374	-0.98508	0.05202	-2.83564
54	7789	2.12488	-2.15093	-1.64746	-0.59464	1.18134	-2.05898
55	7795	0.00000	-4.05202	-3.50105	-0.67130	-0.17140	-4.05123
56	7800	0.00000	-1.55410	-1.21537	-1.09852	-0.45706	-2.30967
57	7801	0.38634	-3.32833	-2.70959	-1.29534	0.24076	-3.61790
58	7808	0.00000	-3.10664	-2.49223	-1.60701	-0.05713	-3.61732
59	7816	0.28976	-4.61008	-3.59795	-2.99222	-0.51930	-4.68054
60	7819	1.93171	-2.44752	-1.80625	-1.43877	0.51821	-2.36417
61	7828	1.15902	-2.10629	-1.61629	-0.99070	0.60801	-2.34537
62	7830	2.02829	-0.68613	-0.49444	0.26488	1.22113	-0.78763
63	7832	1.06244	-3.26491	-2.52990	-1.65002	0.81920	-3.45490
64	7833	0.19317	-2.07466	-3.46197	-5.92775	0.14895	-2.71230
65	7838	0.09659	-3.46666	-2.83070	-1.60545	-0.55398	-3.62008
66	7839	0.09659	-2.70630	-2.03779	-2.29030	-0.61111	-3.26694

CORRELATIONS BETWEEN SCORES

	JUDGE7	JUDGE8	JUDGE9	JUDGE10	JUDGE11	JUDGE12

		1	2	3	4	5	6
JUDGE7	1	1.0000					
JUDGE8	2	0.6753	1.0000				
JUDGE9	3	0.7351	0.9253	1.0000			
JUDGE10	4	0.6588	0.5917	0.8092	1.0000		
JUDGE11	5	0.9209	0.7661	0.7719	0.6885	1.0000	
JUDGE12	6	0.7880	0.9817	0.9337	0.6465	0.8339	1.0000

Appendix K.

Results BMDP Preference Pairs Program, 7 Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE1

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.11190	2.886	-0.12201	3.577
X(3)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000	0.29182	2.731
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	-0.16116	3.119	-0.19006	4.144	-0.21678	5.251
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55371	0.307	0.70957	0.503	0.79896	0.638

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE2

	STEP NUMBER 1	
	COEFF	T-VAL
X(2)	0.00000	0.000
X(3)	0.00000	0.000
X(4)	0.00000	0.000
X(5)	0.00000	0.000
X(6)	0.00000	0.000
X(7)	-0.16116	3.119
0	MULTIPLE R	R-SQUARED
	0.55371	0.307

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE3

	STEP NUMBER 1		STEP NUMBER 2	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.08769	2.366
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.04976	2.621	0.04491	2.583
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.48775	0.238	0.63112	0.398

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE4

	STEP NUMBER 1		STEP NUMBER 2	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.15805	3.085	-0.16369	3.439
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.31832	2.135
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED

0.54953	0.302	0.65304	0.426

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE5

	STEP NUMBER 1	
	COEFF	T-VAL
X(2)	-0.15805	3.085
X(3)	0.00000	0.000
X(4)	0.00000	0.000
X(5)	0.00000	0.000
X(6)	0.00000	0.000
X(7)	0.00000	0.000
0	MULTIPLE R	R-SQUARED
	0.54953	0.302

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE6

	STEP NUMBER 1		STEP NUMBER 2	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.11621	3.217
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.09659	4.807	0.09016	5.319
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.71571	0.512	0.82051	0.673

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGE1	JUDGE2	JUDGE3	JUDGE4	JUDGE5	JUDGE6
1	7250	-0.77154	0.00000	0.32287	-0.01812	0.00000	0.88758
2	7311	-0.97607	0.00000	0.24156	-1.30954	0.00000	0.96371
3	7369	-2.96744	0.00000	0.41056	-0.49108	0.00000	1.00379
4	7405	-0.73205	0.00000	0.41694	-0.98216	0.00000	1.19613
5	7420	-0.48803	0.00000	0.77195	-0.65477	0.00000	1.78919
6	7428	-2.22231	0.00000	0.09833	-0.65477	0.00000	0.43678
7	7429	-2.24872	0.00000	-0.47484	-0.83659	0.00000	-0.41474
8	7437	-0.61004	0.00000	0.36990	-0.81846	0.00000	1.04185
9	7439	-0.19622	0.00000	0.81686	-0.33645	0.00000	1.87935
10	7447	-0.19622	0.00000	0.86176	-0.33645	0.00000	1.96951
11	7450	-0.27042	0.00000	-0.43419	-0.50920	0.00000	-0.45281
12	7458	-0.48803	0.00000	0.41268	-0.65477	0.00000	1.06790
13	7464	-0.02641	0.00000	0.45972	-0.18182	0.00000	1.22218
14	7465	-1.53165	0.00000	-0.69939	-1.47323	0.00000	-0.86555
15	7506	-0.36603	0.00000	1.03927	-0.49108	0.00000	2.26604
16	7513	-0.24402	0.00000	0.67788	-0.32739	0.00000	1.48064
17	7517	-0.36603	0.00000	0.81473	-0.49108	0.00000	1.81523
18	7524	0.33962	0.00000	0.99224	0.30926	0.00000	2.11176
19	7531	-0.85406	0.00000	0.28434	-1.14585	0.00000	0.98976
20	7532	-4.30954	0.00000	-1.22765	-2.29169	0.00000	-1.62691
21	7543	-2.72450	0.00000	-1.31108	-2.78277	0.00000	-1.61489
22	7544	-0.12201	0.00000	0.81048	-0.16369	0.00000	1.68701
23	7554	-0.73205	0.00000	0.19240	-0.98216	0.00000	0.74533

24	7557	-0.39161	0.00000	-0.47059	-0.52732	0.00000	-0.28652
25	7561	-1.57862	0.00000	-0.51763	-1.31860	0.00000	-0.44079
26	7563	0.05028	0.00000	-0.29096	0.42764	0.00000	0.07413
27	7566	-1.13839	0.00000	-0.35076	-0.65477	0.00000	-0.46483
28	7607	0.41548	0.00000	0.19027	0.77315	0.00000	0.68121
29	7610	-0.24402	0.00000	1.08205	-0.32739	0.00000	2.29209
30	7616	-0.73205	0.00000	0.50675	-0.98216	0.00000	1.37645
31	7630	-2.96852	0.00000	-1.30683	-3.11016	0.00000	-1.48666
32	7642	0.62725	0.00000	-0.86200	0.40046	0.00000	-0.71328
33	7652	-3.56441	0.00000	-1.27043	-2.45539	0.00000	-1.65296
34	7665	-0.79960	0.00000	0.50037	-0.49108	0.00000	1.18411
35	7672	0.00000	0.00000	1.21252	0.00000	0.00000	2.43434
36	7677	-1.42938	0.00000	0.05980	-0.82752	0.00000	0.53896
37	7680	-1.13839	0.00000	0.18814	-0.65477	0.00000	0.61710
38	7687	-0.36603	0.00000	0.85964	-0.49108	0.00000	1.90539
39	7706	-3.83458	0.00000	-0.17325	-0.49108	0.00000	-0.16830
40	7709	0.55723	0.00000	0.23518	0.45483	0.00000	0.77137
41	7711	-3.67334	0.00000	-1.92703	-3.76493	0.00000	-2.49246
42	7730	0.77732	0.00000	-1.31108	1.03710	0.00000	-1.61489
43	7738	-1.22009	0.00000	-0.11345	-1.63692	0.00000	0.37066
44	7741	-1.66673	0.00000	0.41056	-0.49108	0.00000	1.00379
45	7755	-0.12201	0.00000	0.63084	-0.16369	0.00000	1.32636
46	7758	-0.19622	0.00000	0.81686	-0.33645	0.00000	1.87935
47	7761	0.29182	0.00000	1.39215	0.31832	0.00000	2.79498
48	7768	-0.61004	0.00000	0.72917	-0.81846	0.00000	1.76314
49	7770	-2.56110	0.00000	0.05554	-0.81846	0.00000	0.41073
50	7772	-1.09808	0.00000	-0.20540	-1.47323	0.00000	0.12622
51	7775	-2.45884	0.00000	0.14111	-0.17275	0.00000	0.46282
52	7778	-1.13839	0.00000	-0.08131	-0.65477	0.00000	0.07613
53	7785	-2.15477	0.00000	-0.47910	-1.14585	0.00000	-0.54297
54	7789	-1.28763	0.00000	0.37416	-1.14585	0.00000	1.17008
55	7795	-5.78564	0.00000	-0.26307	-0.49108	0.00000	-0.34862
56	7800	-1.11116	0.00000	-0.17538	-0.32739	0.00000	-0.23242
57	7801	-3.41517	0.00000	-0.87264	-1.96431	0.00000	-1.03385
58	7808	-2.88682	0.00000	-1.13996	-2.12800	0.00000	-1.51070
59	7816	-3.34762	0.00000	-1.18061	-2.45539	0.00000	-1.47263
60	7819	-0.82683	0.00000	0.45972	-0.81846	0.00000	1.22218
61	7828	-1.31486	0.00000	-0.25030	-1.47323	0.00000	0.03606
62	7830	-0.12201	0.00000	0.85538	-0.16369	0.00000	1.77717
63	7832	-2.31816	0.00000	-1.17210	-3.11016	0.00000	-1.21618
64	7833	0.91323	0.00000	-2.19010	0.20052	0.00000	-2.84108
65	7838	-3.52302	0.00000	-0.30585	-0.65477	0.00000	-0.37467
66	7839	-1.31486	0.00000	-0.74429	-1.47323	0.00000	-0.95571

CORRELATIONS BETWEEN SCORES

		JUDGE1 1	JUDGE2 2	JUDGE3 3	JUDGE4 4	JUDGE5 5	JUDGE6 6
JUDGE1	1	1.0000					
JUDGE2	2	0.0000	0.0000				
JUDGE3	3	0.4756	0.0000	1.0000			
JUDGE4	4	0.6591	0.0000	0.5555	1.0000		
JUDGE5	5	0.0000	0.0000	0.0000	0.0000	0.0000	
JUDGE6	6	0.5195	0.0000	0.9933	0.5357	0.0000	1.0000

Appendix K.

Results BMDP Preference Pairs Program, I Variables.

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE7

	STEP NUMBER 1	
	COEFF	T-VAL
X(2)	0.00000	0.000
X(3)	0.00000	0.000
X(4)	0.00000	0.000
X(5)	0.09659	4.563
X(6)	0.00000	0.000
X(7)	0.00000	0.000
0	MULTIPLE R	R-SQUARED
	0.69728	0.486

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE8

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.13294	2.533	-0.14915	3.206	-0.16891	3.856
X(3)	0.00000	0.000	-0.11927	2.732	-0.11168	2.767
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	-0.11265	2.178
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.47513	0.226	0.65483	0.429	0.73371	0.538

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE9

	STEP NUMBER 1		STEP NUMBER 2	
	COEFF	T-VAL	COEFF	T-VAL
X(2)	-0.10340	2.081	-0.12620	2.693
X(3)	0.00000	0.000	0.00000	0.000
X(4)	0.00000	0.000	0.00000	0.000
X(5)	0.00000	0.000	0.00000	0.000
X(6)	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	-0.12350	2.228
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.40558	0.164	0.56945	0.324

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUOGE10

	STEP NUMBER 1	
	COEFF	T-VAL
X(2)	0.00000	0.000
X(3)	0.00000	0.000
X(4)	0.00000	0.000
X(5)	0.07317	2.732
X(6)	0.00000	0.000
X(7)	0.00000	0.000
0	MULTIPLE R	R-SQUARED

0.50327 0.253

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE11

	STEP NUMBER 1	
	COEFF	T-VAL
X(2)	0.00000	0.000
X(3)	0.00000	0.000
X(4)	0.00000	0.000
X(5)	0.08098	4.066
X(6)	0.00000	0.000
X(7)	0.00000	0.000
0	MULTIPLE R	R-SQUARED
	0.65498	0.429

COEFFICIENTS OF LINEAR FUNCTIONS OF VARIABLES. PREFERENCE NAME=JUDGE12

	STEP NUMBER 1		STEP NUMBER 2		STEP NUMBER 3	
	COEFF	T-VAL	COEFF	T-VAL	COEFF	T-VAL
X(2)	0.00000	0.000	-0.11342	2.871	-0.12831	3.634
X(3)	0.00000	0.000	0.00000	0.000	-0.08924	2.641
X(4)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(5)	0.06634	3.126	0.06007	3.241	0.04909	2.909
X(6)	0.00000	0.000	0.00000	0.000	0.00000	0.000
X(7)	0.00000	0.000	0.00000	0.000	0.00000	0.000
0	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED	MULTIPLE R	R-SQUARED
	0.55460	0.308	0.70907	0.503	0.79460	0.631

SCORES BASED ON JUDGMENTS EVALUATED FOR EACH CASE.

CASE NUMBER	CASE LABEL	JUDGE7	JUDGE8	JUDGE9	JUDGE10	JUDGE11	JUDGE12
1	7250	1.44878	-2.13134	-0.99881	1.09756	1.21463	-0.57999
2	7311	2.02829	-2.69145	-1.00960	1.53658	1.70049	-1.06638
3	7369	1.44878	-2.75190	-1.86063	1.09756	1.21463	-0.36244
4	7405	2.02829	-1.46020	-0.75720	1.53658	1.70049	-0.09587
5	7420	2.41463	-1.34572	-0.50480	1.82927	2.02439	0.17863
6	7428	0.96585	-3.36366	-1.49282	0.73171	0.80976	-1.45009
7	7429	0.67610	-2.86810	-2.12382	0.51220	0.56683	-1.16807
8	7437	1.73854	-1.29128	-0.63100	1.31707	1.45756	-0.11484
9	7439	2.51122	-1.01069	-0.50480	1.90244	2.10536	0.49543
10	7447	2.60780	-2.35082	-0.50480	1.97561	2.18634	-0.52631
11	7450	0.38634	-1.74079	-0.88340	0.29268	0.32390	-1.14797
12	7458	1.64195	-1.12237	-0.50480	1.24390	1.37659	-0.03562
13	7464	1.93171	-1.17960	-0.63100	1.46341	1.61951	0.07258
14	7465	0.19317	-2.19223	-1.38281	0.14634	0.16195	-1.41353
15	7506	2.80097	-0.84178	-0.37860	2.12195	2.34829	0.77101
16	7513	1.83512	-1.34293	-0.25240	1.39024	1.53854	-0.12701
17	7517	2.31805	-1.51184	-0.37860	1.75610	1.94341	-0.00986
18	7524	2.51122	-1.34293	-0.25240	1.90244	2.10536	0.21663
19	7531	1.93171	-2.07582	-0.88340	1.46341	1.61951	-0.63022
20	7532	0.00000	-6.73184	-3.24883	0.00000	0.00000	-4.20567
21	7543	0.38634	-4.66129	-2.51591	0.29268	0.32390	-3.14493
22	7544	1.93171	-2.29079	-0.12620	1.46341	1.61951	-0.84197
23	7554	1.54537	-2.24194	-0.75720	1.17073	1.29561	-0.96598

24	7557	1.06244	-2.41741	-1.51171	0.80488	0.89073	-1.22832
25	7561	0.77268	-2.25043	-1.63251	0.58537	0.64780	-1.06882
26	7563	1.44878	-2.86606	-1.75871	1.09756	1.21463	-1.21043
27	7566	0.00000	-1.68366	-0.87531	0.00000	0.00000	-1.04865
28	7607	1.35219	-1.51657	-0.87801	1.02439	1.13366	-0.31121
29	7610	2.70439	-1.11957	-0.25240	2.04878	2.26732	0.49328
30	7616	2.22146	-1.68355	-0.75720	1.68293	1.86244	-0.17616
31	7630	0.77268	-4.32005	-2.76832	0.58537	0.64780	-2.66976
32	7642	1.35219	-3.20754	-2.26891	1.02439	1.13366	-1.67242
33	7652	0.09659	-3.76991	-2.88102	0.07317	0.08098	-2.14323
34	7665	1.64195	-2.18384	-0.62561	1.24390	1.37659	-0.71044
35	7672	2.60780	-0.89342	0.00000	1.97561	2.18634	0.61157
36	7677	1.44878	-1.85633	-1.37741	1.09756	1.21463	-0.34026
37	7680	1.15902	-1.79934	-0.87531	0.87805	0.97171	-0.54879
38	7687	2.41463	-1.06513	-0.37860	1.82927	2.02439	0.39618
39	7706	0.19317	-3.53752	-2.35464	0.14634	0.16195	-1.26833
40	7709	1.44878	-0.84457	-0.63100	1.09756	1.21463	0.09483
41	7711	0.19317	-4.44728	-3.39662	0.14634	0.16195	-2.94212
42	7730	0.38634	-4.10290	-2.51591	0.29268	0.32390	-2.69875
43	7738	1.64195	-2.02417	-1.26200	1.24390	1.37659	-0.71623
44	7741	1.44878	-2.18771	-1.11961	1.09756	1.21463	-0.45168
45	7755	1.54537	-1.17401	-0.12620	1.17073	1.29561	-0.14597
46	7758	2.51122	-1.45740	-0.50480	1.90244	2.10536	0.13849
47	7761	2.99414	0.00000	0.00000	2.26829	2.51024	1.52182
48	7768	2.51122	-1.96135	-0.63100	1.90244	2.10536	-0.25753
49	7770	1.06244	-2.30509	-1.74252	0.80488	0.89073	-0.45848
50	7772	1.25561	-1.85526	-1.13580	0.95122	1.05268	-0.78429
51	7775	0.86927	-2.97429	-1.73712	0.65854	0.72878	-0.92470
52	7778	0.57951	-1.79534	-0.87531	0.43902	0.48585	-0.84333
53	7785	0.28976	-2.19330	-1.62442	0.21951	0.24293	-1.01859
54	7789	2.12488	-2.30111	-1.13041	1.60976	1.78146	-0.53203
55	7795	0.00000	-3.65790	-3.46615	0.00000	0.00000	-0.65263
56	7800	0.00000	-1.68183	-0.74641	0.00000	0.00000	-0.97050
57	7801	0.38634	-3.15245	-2.62592	0.29268	0.32390	-1.43256
58	7808	0.00000	-2.98343	-2.38162	0.00000	0.00000	-1.75723
59	7816	0.28976	-4.77404	-2.75752	0.21951	0.24293	-2.93740
60	7819	1.93171	-2.85574	-0.75450	1.46341	1.61951	-1.17672
61	7828	1.15902	-2.19126	-1.25931	0.87805	0.97171	-1.01185
62	7830	2.02829	-0.83898	-0.12620	1.53658	1.70049	0.36719
63	7832	1.06244	-3.20937	-2.39781	0.80488	0.89073	-1.89784
64	7833	0.19317	-4.39177	-3.28121	0.14634	0.16195	-3.23781
65	7838	0.09659	-3.48114	-2.23383	0.07317	0.08098	-1.44573
66	7839	0.09659	-2.97301	-1.25931	0.07317	0.08098	-2.17651

CORRELATIONS BETWEEN SCORES

		JUDGE7 1	JUDGE8 2	JUDGE9 3	JUDGE10 4	JUDGE11 5	JUDGE12 6
JUDGE7	1	1.0000					
JUDGE8	2	0.6791	1.0000				
JUDGE9	3	0.7642	0.8885	1.0000			
JUDGE10	4	1.0000	0.6791	0.7642	1.0000		
JUDGE11	5	1.0000	0.6791	0.7642	1.0000	1.0000	
JUDGE12	6	0.7733	0.9344	0.8259	0.7733	0.7733	1.0000

Appendix L.

Preferences of Dentists for Pairings of 66 Cases.

48	1	1	-1	1	1	1	1	2	-1	1	1	1	1
4	6	2	-1	1	-2	-2	1	1	2	1	2	1	2
5	17	1	1	1	-1	1	-1	-1	1	-1	1	1	1
43	7	1	-1	-1	-2	1	2	-1	1	1	2	2	1
8	31	2	1	1	2	2	2	2	2	1	2	1	2
19	9	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1
28	18	-1	-1	-1	-1	-1	-2	-1	-1	-2	-1	-1	-1
21	65	1	-1	-1	-1	1	-1	1	-1	-1	-1	1	-1
66	24	-1	-1	-1	-1	-2	-2	-1	-2	-1	-1	-2	-2
37	27	1	-1	-1	-1	1	1	2	-1	-1	2	1	1
30	36	1	-1	-1	2	-2	1	2	1	2	-2	-2	-1
56	35	-1	1	-1	-2	-1	-2	-2	1	1	-1	-1	-1
40	5	1	-1	-1	2	1	1	-1	2	1	-2	-1	1
9	40	-1	2	1	-1	-1	2	1	2	1	2	2	1
43	57	2	2	1	2	2	2	2	2	2	2	2	2
45	47	1	1	-1	-1	-1	-1	-1	-1	-2	-1	-2	-1
46	35	1	1	-1	-1	-2	-2	-1	-1	-2	1	1	-1
50	61	1	-1	-1	-1	-2	1	-2	-1	-1	-2	-1	-1
51	37	-1	-1	-1	-1	-1	-1	-2	-1	-1	-2	-1	-1
47	52	1	1	2	2	-1	2	2	2	1	1	2	2
7	57	2	2	2	2	2	2	2	2	2	2	1	2
60	36	-1	-1	-1	-1	-1	1	-2	-1	-1	-2	-1	-1
27	63	2	1	1	2	1	1	-1	2	1	2	1	2
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